



AGENDA

Durham Public Schools Board of Education

Instructional Services Committee

September 12, 2011

Fuller Administration Building, 511 Cleveland Street, Durham, NC

1. Call to Order
2. Moment of Silence
3. Agenda Review and Approval
4. Public Comment
5. Instructional Services Committee Meeting Minutes
 - I. August 8, 2011
6. Information
 - I. Museum of Life and Science and Durham Public Schools Partnership
 - II. North Carolina School Boards Association 2011 Delegates
7. Major Reform Reports
 - I. English as Second Language (ESL) Update
 - II. New State Standards Update
8. Adjournment

Ms. Leigh Bordley, Chairperson
Ms. Heidi Carter, Vice Chairperson
Dr. Lewis D. Ferebee, Chief of Staff

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***Mission Statement***

*In collaboration with our community and parents, the mission of Durham Public Schools is to provide all students with an outstanding education that motivates them to reach their full potential and enables them to discover their interests and talents, pursue their goals and dreams, and succeed in college, in the workforce and as engaged citizens.*



Date: September 12, 2011

**Durham Public Schools  
Instructional Services Committee  
PRECIS**

**Subject:** Instructional Services Committee Meeting Minutess

**Staff Liaison Present:** Lewis D. Ferebee, Ed.D.

**Phone #:** 560-3874

**Main Points:**

- Administration is presenting meeting minutes for consideration and approval from the following:
  - August 8, 2011 – Instructional Services Committee

**Fiscal/Goal Implications:** None

|                        |                                     |
|------------------------|-------------------------------------|
| <b>Recommendation:</b> |                                     |
| <b>Information</b>     | <input type="checkbox"/>            |
| <b>Discussion</b>      | <input type="checkbox"/>            |
| <b>Action</b>          | <input checked="" type="checkbox"/> |
| <b>Consent</b>         | <input type="checkbox"/>            |

**DRAFT**  
Minutes of the  
Instructional Services Committee of the Board of Education  
Durham Public Schools

|                        |                               |                            |
|------------------------|-------------------------------|----------------------------|
| <b>Fuller Building</b> | <b>Monday, August 8, 2011</b> | <b>Board Room, 4:30 pm</b> |
|------------------------|-------------------------------|----------------------------|

The Instructional Services Committee of the Durham Public Schools Board of Education held a meeting on Monday, August 8, 2011 at 4:30 p.m. in the Board Room of the Fuller Building, 511 Cleveland Street, Durham, NC.

*Committee members present were* Ms. Leigh Bordley, Chairperson, Ms. Heidi Carter, Vice-Chairperson, Ms. Minnie Forte-Brown, Ms. Omega Parker, Ms. Nancy Cox, Ms. Natalie Beyer, and Pastor Fredrick Davis.

*Staff members present were* Dr. Eric Becoats, Superintendent, Dr. Julie Spencer, Area Superintendent for Middle Schools, Dr. Stacey Wilson-Norman, Area Superintendent for Elementary (North), Dr. Terri Mazingo, Assistant Superintendent for Research and Accountability, and Ms. Jackie Ellis, Assistant Superintendent for Human Resources.

Ms. Bordley called the meeting to order and a moment of silence was observed. Ms. Bordley requested the review of the agenda for approval. The floor was open for public comment.

**Public Comment**

There was no one present to speak to public comment.

Ms. Bordley requested the review of the revised minutes. Ms. Carter suggested that on page one, second paragraph to change the word *action* to *dialog* in the public comment section.

The Board accepted the minutes with the recommended correction. In addition, Ms. Bordley requested that a list of questions asked by the administration during the presentations should be included in the minutes. Discussion took place with the agreement to add the requested information.

Ms. Bordley recognized Dr. Julie Spencer to present the items on the Instructional Services agenda.

**Major Reform**

**Design for Accelerated Progress (DAP) Update**

Dr. Spencer introduced Dr. Stacey Wilson-Norman who provided an overview for the Design for Accelerated Progress. Dr. Wilson-Norman stated that DAP is aligned with the district's Strategic Plan. The DAP model was expanded to intensify services to schools to improve student achievement outcomes. This is the link between the district office and school principals to ensure that if there is a performance issue that the teachers are aware. Ms. Bordley asked for questions and concerns.

**Questions asked by Board of Education Administration:**

- In level III/IV Tier Schools, is it a site-based team or the principals' decision to participate in the Assessment for Learning Small Goals Assessment?
- Will the teachers remain on the same observation Walkthrough Evaluation Tool as the principals?
- Is the action plan different from the NC Teacher Evaluation Tool?

- Do you think that each of the three areas (assessment for learning, culturally responsive schools and performance management/talent development) receive equal attention?
- Is the assessment for learning tool optional to certain schools?
- Is there a cost for the assessment for learning tool?
- What are we doing to develop the talent of our principals?
- Why would you want to work at a Tier I school?
- What are we doing to support our teachers?
- Are we offering support for Tier I school principals?
- How many staff members are in the non-classroom role?

There was a full discussion. Dr. Wilson-Norman and administration addressed all questions during the presentation.

### **Major Reform**

#### **Data Dashboard and School Scorecard Update**

Dr. Spencer provided an update on the revisions in alignment with the Strategic Plan. The presentation acknowledged that the scorecard is an annual report that provides information to students, families, communities and educators about a school and its performance. The scorecard reports the school's progress toward the district's goals for overall achievement. It communicates how a school is fulfilling the district's mission and definition of excellence. The scorecard helps school leaders set priorities based on school performance information, and builds awareness of a balanced set of common standards that define an effective school. Dr. Spencer stated that the administration would focus on growth in all areas for the new 2011-2012 school year.

The test data revisions were:

- Addition of School Growth data in all EOG/EOC areas
- Replace the overall percentage of AYP goals met with the addition of specific growth and proficiency data regarding students in the following subgroups: Exceptional Children's Program and Limited English Proficient
- Addition of specific growth and proficiency data regarding students who are identified as Academically/Intellectually Gifted
- Addition of overall performance composite score

The school data revisions were:

- Removal of local assessment data (benchmarks)
- Removal of teacher turnover
- Removal of the percentage of licensed AIG teachers
- Addition of Highly Qualified Teacher data
- Revision of Teacher Working Conditions Survey Data to reflect the new state format (information only)
- Removal of retention rate

There was discussion regarding the highly qualified teachers. Dr. Terri Mozingo commented that there was a focus group meeting with all the principals. The principals indicated due to teacher turnovers (retirement, relocation, performance, etc.) that the indicator should change to highly qualified and how many categories they wanted on a school scorecard. Another indicator was to provide data not connected to the scorecard.

#### **Questions asked by Board of Education Administration:**

- Can we develop an indicator that we would like to see (ex. tracking data)?
- How will the administration track teacher turnover and certification?
- Was there any discussion regarding adding the Gallup results?
- How will the administration measure whether we are accelerating or not?
- Is the scorecard an evaluation tool?

There was discussion regarding the process of receiving the data and what tools the principals use to present to administration. Dr. Spencer and administration addressed all questions during the presentation.

### **Major Reform**

#### **Summer Professional Development 2011-2012**

Dr. Spencer invited Ms. Camille Marlowe to assist in providing a summary of the Summer Professional Development Update for 2011-2012. This supports and facilitates student achievement during the summer. Ms. Marlowe shared the focus areas and underscored connections with the Strategic Plan goals and strategies. Dr. Spencer provided highlights on the assessment for learning, building culturally responsive schools and talent development.

#### **Questions asked by Board of Education Administration:**

- Who was working with the culturally responsive schools?
- Was discipline a part of the retreat?
- Does the administration have anything in place that will support our new teachers?
- How will the administrators help with the PLC models?
- How do we hear from teachers regarding what professional development they need?

Dr. Spencer and administration addressed all questions and concerning during the presentation.

#### **Agenda Items**

- Visits with Board Members/walkthroughs/PLCs
- Update charts on DAP Tiers
- Number of people enrolled on chart (Accelerating Change)
- Teacher development
- Greater acceleration

Meeting adjourned at 6:55 pm.



Date: September 12, 2011

**Durham Public Schools  
Instructional Services Committee  
PRECIS**

**Subject:** Museum of Life and Science and Durham Public Schools Partnership

|                               |                   |                          |
|-------------------------------|-------------------|--------------------------|
| <b>Staff Liaison Present:</b> | Dr. Lewis Ferebee | <b>Phone #:</b> 560-3874 |
|                               | Dr. Debbie Pitman | 560-2554                 |
|                               | Linda Dimmick     | 560-2648                 |

**Main Points:**

- Durham Public Schools continues to partner with the Museum of Life and Science to provide instructional services in science to elementary and middle schools. These services include: staff development, consultation, on-site or school-site educational programs, teachers use of the Museum’s Science Education Resource Center.
- In addition, the museum has provided kit storage and refurbishment for the K-6 science kits. The DPS science kits are the primary instructional materials for elementary science. This year’s contract reflects the number of DPS science kits to be stored and refurbished at the Museum. The museum would accomplish this task during four “refurbishment periods” spanning the 2011-2012 school year.
- The attached contract represents the established agreement negotiated between the Museum of Life and Science and Durham Public Schools.
- Administration submits this plan for discussion and subsequent approval Board approval.

**Fiscal/Goal Implications:**

- The total cost of the contract is \$280,993 and will be supported through local funds.

|                        |                                     |
|------------------------|-------------------------------------|
| <b>Recommendation:</b> |                                     |
| Information            | <input type="checkbox"/>            |
| Discussion             | <input checked="" type="checkbox"/> |
| Action                 | <input checked="" type="checkbox"/> |
| Consent                | <input type="checkbox"/>            |

**Review**

CO Finance

CTS Attorney

**Museum of Life and Science/Durham Public Schools Partnership  
Elementary School Science Program Enrichment  
2011-2012 Partnership Agreement**

This agreement is made this 1st day of August, 2011 by and between the Durham Public Schools Board of Education (DPS) and the Museum of Life and Science (Museum) for the time period of September 1, 2011 to August 31, 2012.

For and in consideration of the mutual promises set forth in the Contract the parties do mutually agree as follows:

**I. Obligations of Museum. The Museum agrees to provide the following services to Durham Public Schools Board of Education (DPS):**

**1. *Science Resources***

The Museum will maintain and re-supply the 1,740 Durham Public Schools K-6 Infrastructure Kits for use in K-6 education classrooms. This number of kits provides for four refurbishment periods each year for both Year-Round and Traditional Calendar Schools. Any additional kit refurbishment beyond 1,740 will require an additional contract.

The Museum agrees to replace all Tier I non-consumable materials and all consumable materials in the K-6 Infrastructure kits. A list of Tier I non-consumable materials and Tier II non-consumable materials is attached as Exhibit A.

This schedule dictates a minimum 2-week refurbishment time. The Museum does not guarantee that kits returned to the Museum or to the Bacon Street facility less than 2 weeks prior to the next distribution will be refurbished prior to said distribution date. A copy of the refurbishment and rotation schedule is attached as Exhibit B.

**2. *Staffing Resources***

The Museum staff will deliver the same level of service that was provided in the 2010-2011 school year. Museum staff will be involved with the K-6 Infrastructure in the following ways:

- Assist with the initial kit trainings with K-6 Infrastructure grade level team leaders during the 2011-2012 school year. Dates for training must be confirmed one month in advance. A minimum of 48 hours notification for cancellation of training is required.
- Refurbish kits during the 2011-2012 school year.

**3. *Resource Coordination***

The Museum's Senior Director of Guest and School Experiences is responsible for resources communications between the Museum and Durham Public Schools. The DPS staff and Museum SERC staff will hold quarterly meetings to review refurbishment scheduling and material needs.

The Museum Staff will provide DPS' K-12 Science Director an updated missing kit list in writing no later than 7 days after the quarterly deadline by which kits were required to be returned to the Museum or the Bacon Street facility. Museum Staff will provide DPS' K-12 Science Director a missing item list at the end of each rotation.

The Museum Staff will communicate to the K-12 science Director all substitutions to original materials prior to refurbishing the kits.

**II. Obligations of DPS. Durham Public Schools agree to:**

1. Compensate Museum for services rendered with total payment not to exceed \$280,993. DPS will remit three payments due as follows: October 3, 2011 of \$93,664, March 30, 2012 of \$93,664, and a final payment on May 28, 2012 of \$93,665.
2. Provide a Museum Science Contact from each participating elementary/middle school to facilitate resource scheduling and communications. The name and contact information of the Science Contact will be provided in writing to the Museum SERC staff on or before August 29, 2011. The Science Contacts will participate in an orientation where they will be given the rotation schedule in writing and will review the kit rotation process with Museum staff. This orientation will occur on or before September 30, 2011.
3. Provide support through the Curriculum Directors in Science to:
  - a. Arrange meetings with the DPS Science Contacts and Museum staff.
  - b. Set up the rotation cycle for the DPS kits and provide the schedule to Museum staff no less than two weeks before the first rotation begins. Any requests for a change to the rotation schedule must be submitted in writing to the Museum's Education Resources Manager no later than October 12, 2011. Verbal requests and/or requests received after October 12, 2011 will be evaluated on a case-by-case basis due to structured distribution schedules.
  - c. Send the rotation schedule and any updates in writing to testing coordinators, mentors and site coordinators.
  - d. Assist with program content design and alignment with DPS curriculum.
4. Provide a K-6 Science Infrastructure Initiative grade-level team leader to co-facilitate trainings.
5. Provide transportation of K-6 Infrastructure kits between the Museum, the Bacon Street facility and Durham Public Schools through the district courier system.
6. Provide all Tier II non-consumable items within thirty days following receipt in writing of the quarterly inventory prepared by the Museum staff of Tier II non-consumable items. If the item is not provided in time for the kit delivery, a DPS representative will be responsible for delivering the item to the

individual school. In the event that the Museum must purchase any of the Tier II non-consumable items to maintain the refurbishment schedule, the cost will be reimbursed by Durham Public Schools within thirty days of receiving purchasing paperwork (receipts, invoices, etc.) with the approval of the K-12 Science Director.

7. Provide support in retrieval and transporting of Tier II non-consumable supplies and kits not returned by the quarterly deadline.
8. Provide support in assuring that kits are returned in good condition and in a timely way.

**III. Ownership.** The K-6 Infrastructure kits shall remain the property of DPS at all times.

**IV. Advertising.** It is the policy of the Museum that its name shall not appear in any advertising or endorsement without express written permission, which may be sought from the President of the Museum.

**V. Termination.** Either party with 30 days written notice may cancel this agreement. In the event that the contract is cancelled before the end of the 2011-2012 school year, DPS shall be required to pay for actual services rendered on the following proportionate basis:

- a. If the Museum has completed the refurbishing of the kits only one time, DPS shall be required to pay only 25 percent of the contract amount.
- b. If the Museum has refurbished the kits only two times, DPS shall be required to pay 50 percent of the contract amount.
- c. If the Museum has refurbished the kits only three times, DPS shall be required to pay 75 percent of the contract amount.

If DPS has paid more than the required amount as set forth above, the Museum shall reimburse DPS for the excess payment amount within 10 business days of written notice of cancellation.

**VI. Termination for Default.** At any time, DPS may terminate this contract immediately and without prior notice if provider is unable to meet goals and timetables or if DPS is dissatisfied with the quality of services provided.

**VII. Contract Funding.** It is understood and agreed between the Provider and DPS that DPS's payment obligation under this Contract is contingent upon the availability of appropriated funds from which payment for Contract purposes can be made.

**VIII. Lunsford Act.** Provider acknowledges that N.C. General Statute 14-208.18 prohibits anyone required to register as a sex offender under Article 27A of Chapter 14 of the General Statutes from knowingly being on the premises of any school. This prohibition applies to persons required to register under Article 27A who have committed any offense in Article 7A of Chapter 14 or

any offense where the victim of the offense was under the age of 16 years at the time of the offense.

- IX. Criminal Background Checks.** The Museum shall conduct criminal background checks on each of its employees who, pursuant to this Agreement, engage in any services on DPS property or at DPS events. The Provider shall provide documentation that criminal background checks were conducted on each of its employees prior to hiring, and shall refuse employment to any person convicted of a felony or any other crime, whether misdemeanor or felony, that indicates the person poses a threat to the physical safety of students, school personnel or others. Such check shall include an annual check of the State Sex Offender and Public Protection Registration Program, the State Sexually Violent Predator Registration Program, and the National Sex Offender Registry. Provider shall not assign any employee or agent to provide services pursuant to this contract if (1) said worker appears on any of the listed registries; (2) said worker has been convicted of a felony; (3) said worker has been convicted of any crime, whether misdemeanor or felony, involving sex, violence, or drugs; or (4) said worker has engaged in any crime or conduct indicating that the worker may pose a threat to the safety or well-being of student or school personnel. DPS reserves the right to prohibit any individual employee of Provider from providing services on DPS property or at DPS events if DPS determines, in its sole discretion, that such employee poses a threat to the safety or well-being of students, school personnel or others.
- X. Relationship of Parties.** The Provider shall be an Independent Contractor of DPS and nothing herein shall be construed as creating a partnership or joint venture; nor shall any employee of the Provider be construed as an employee, agent or principal of DPS.
- XI. Compliance with Applicable Laws.** Provider shall comply with all applicable laws and regulations in providing services under this Contract. Provider represents that it is aware of and in compliance with the Immigration Reform and Control Act, and that it will collect properly verified I-9 forms from each employee providing services under this Contract. Provider shall not employ any individuals to provide services to DPS who are not authorized by federal law to work in the United States.
- XII. Assignment.** The Provider shall not assign, subcontract, or otherwise transfer any interest in this contract without the prior written approval of DPS.
- XIII. Contract Modifications.** This contract may be amended only by written amendments duly executed by and between DPS and the Provider.
- XIV. North Carolina Law.** North Carolina law will govern the interpretation and construction of the Contract.

**XV. Entire Agreement.** This Contract constitutes and expresses the entire agreement and understanding between the parties concerning the subject matter of this contract. This document, the purchase order, if any, used in connection herewith and any other document incorporated in this Contract by reference, including Exhibits A and B supersede all prior and contemporaneous discussions, promises, representations, agreements and understandings relative to the subject matter of this contract.

**XVI. Severability.** If any provision of this Contract shall be declared invalid or unenforceable, the remainder of the Contract shall continue in full force and effect.

IN WITNESS WHEREOF, the parties have hereunto set their hands and seals the day and year indicated below.

**Durham Public Schools Board of Education**

Signature \_\_\_\_\_

Date \_\_\_\_\_

Name \_\_\_\_\_

Title \_\_\_\_\_

Durham Public Schools Board of Education  
PO Box 30002  
Durham, NC 27702

**NC Museum of Life and Science**

Signature \_\_\_\_\_

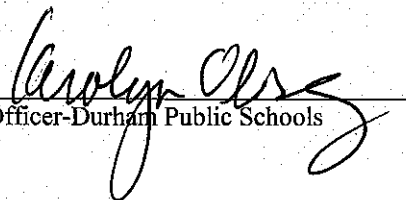
Date \_\_\_\_\_

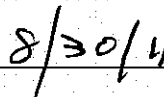
Name \_\_\_\_\_

Title \_\_\_\_\_

NC Museum of Life and Science  
433 Murray Avenue  
Durham, NC 27704

This Agreement has been preaudited in the manner required by the School Budget and Fiscal Control Act.

  
\_\_\_\_\_  
Finance Officer-Durham Public Schools

  
\_\_\_\_\_  
Date

| <b>Tier 1 Non-Consumables</b>       |                                    |                      |                      |
|-------------------------------------|------------------------------------|----------------------|----------------------|
| <i>Grade-Subject</i>                | <i>Item-quantity</i>               | <i>cost per item</i> | <i>cost per year</i> |
| <b>K- Animals 2x2</b>               | Cardstock- 2 reams                 | \$7.00               | \$14.00              |
|                                     | Chlorine remover- 20               | \$3.50               | \$70.00              |
|                                     | 1/2 L. cont. and lids- 10 sleeves  | \$3.00               | \$30.00              |
|                                     | 9 oz. cups- 10 sleeves             | \$3.25               | \$32.50              |
|                                     | 9 oz. lids- 10 sleeves             | \$1.00               | \$10.00              |
|                                     | fish dip nets- 12                  | \$0.95               | \$11.40              |
|                                     | post-it notes- 12                  | \$0.40               | \$4.80               |
|                                     | plastic wrap- 10 rolls             | \$1.95               | \$19.50              |
|                                     | vials w/caps- 50                   | \$1.50               | \$75.00              |
|                                     |                                    |                      |                      |
| <b>K- Comparing &amp; Measuring</b> | Red crayons- 10 packs of 16        | \$1.95               | \$19.50              |
|                                     | Blue crayons- 10 packs of 15       | \$1.95               | \$19.50              |
|                                     | 9x12 plastic bags- 20 packs        | \$3.95               | \$79.00              |
|                                     | red perm. Marker- 2 dozen          | \$6.95               | \$13.90              |
|                                     | #2 pencils- 20 packs of 100        | \$13.95              | \$279.00             |
|                                     | small wooden spool- 100            | \$4.95               | \$4.95               |
|                                     | box of toothpicks- 25              | \$1.95               | \$48.75              |
|                                     |                                    |                      |                      |
| <b>K- Weather</b>                   | Thermometers- 10 packs of 30       | \$81.95              | \$819.50             |
|                                     | 24" red/white laces-10 packs of 30 | \$5.95               | \$59.50              |
|                                     | 56" white shoelace- 10             | \$0.95               | \$9.50               |
|                                     | sponge pcs.- 5 packs of 30         | \$3.00               | \$15.00              |
|                                     | zip lock bags- 10 packs of 100     | \$1.50               | \$9.00               |
|                                     | pie pans- 10 packs of 8            | \$6.00               | \$60.00              |
|                                     |                                    |                      |                      |
| <b>K- Wood &amp; Paper</b>          | 6 liter basins- 50                 | \$4.85               | \$242.50             |
|                                     | Bottles w/ caps- 10 packs of 7     | \$3.80               | \$38.00              |
|                                     | 1/2 liter container- 5 sleeves     | \$3.00               | \$15.00              |
|                                     | 1/4 liter container- 5 sleeves     | \$3.00               | \$15.00              |
|                                     | 1 liter, fluted- 3 sleeves         | \$5.00               | \$15.00              |
|                                     | plastic droppers- 4 dozen          | \$4.95               | \$19.80              |
|                                     | 9 oz. cups- 4 sleeves              | \$3.25               | \$13.00              |
|                                     | jumbo paper clips- 20 boxes        | \$1.00               | \$20.00              |
|                                     | 5 set posters- 10                  | \$6.45               | \$64.50              |
|                                     | rubber bands- 10 packs of 300      | \$1.00               | \$10.00              |
|                                     | mesh screens- 40                   | \$1.75               | \$70.00              |
|                                     | sponges- 5 packs of 6              | \$3.00               | \$15.00              |
|                                     | plastic spoons- 8 packs of 10      | \$1.00               | \$2.00               |
|                                     | quart zip locks- 10 packs of 25    | \$2.70               | \$27.00              |
|                                     |                                    |                      |                      |
|                                     |                                    | Kindergarten         |                      |
|                                     |                                    | Total per year       | \$2,271.10           |
|                                     |                                    |                      |                      |
|                                     |                                    |                      |                      |
|                                     |                                    |                      |                      |
|                                     |                                    |                      |                      |

| <i>Grade-Subject</i>                 | <i>Item-quantity</i>                  | <i>cost per item</i> | <i>cost per year</i> |
|--------------------------------------|---------------------------------------|----------------------|----------------------|
| <b>1st- Balance &amp; Motion</b>     | 12cm Cardboard disk-16 packs          | \$5.95               | \$95.20              |
|                                      | cardboard ramps- 300                  | \$0.60               | \$180.00             |
|                                      | Cardboard squares- 16 packs           | \$3.95               | \$63.20              |
|                                      | clothespins- 1 bag of 100             | \$2.50               | \$2.50               |
|                                      | drawing tops- 10 packs of 4           | \$2.95               | \$29.50              |
|                                      | gallon size ziplocks- 5 boxes         | \$2.90               | \$14.50              |
|                                      | push pins- 5 packs of 100             | \$2.20               | \$11.00              |
|                                      | Balance shapes- 48 packs of 10        | \$5.50               | \$264.00             |
| <b>1st- Pebbles, Sand &amp; Silt</b> | Basalt, Tuff, Scoria- 20 packs        | \$3.40               | \$68.00              |
|                                      | Basins-10                             | \$2.78               | \$27.80              |
|                                      | Bottle Brush- 5                       | \$1.25               | \$6.25               |
|                                      | 1/4 Liter Container- 20 sleeves of 25 | \$3.00               | \$45.00              |
|                                      | Hand Lenses- 10 packs of 30           | \$25.95              | \$259.50             |
|                                      | Black Constr. Paper- 20 packs         | \$1.00               | \$20.00              |
|                                      | Paper Plates- 20 packs of 35          | \$1.50               | \$30.00              |
|                                      | Sand Paper #50 10 packs of 5          | \$3.75               | \$37.50              |
|                                      | Sand Paper #150 10 packs of 5         | \$2.25               | \$22.50              |
|                                      | Sand Paper #80 10 packs of 5          | \$2.10               | \$21.00              |
|                                      | Plastics Spoons 2 packs of 100        | \$3.00               | \$6.00               |
|                                      | Vials w/ Caps- 720                    | \$0.15               | \$108.00             |
|                                      | Ziploc Bags 1 Liter- 20 boxes of 25   | \$2.70               | \$54.00              |
|                                      | Ziploc Bags Gallon 20 boxes of 25     | \$3.00               | \$60.00              |
| <b>1st- Organisms</b>                | Hand Lenses- 5 packs of 30            | \$25.95              | \$129.75             |
|                                      | Plant Tray w/ Lid- 10                 | \$5.95               | \$59.50              |
|                                      | Colored Plates-4 packs                | \$6.00               | \$24.00              |
|                                      | Fish Dip Nets- 10                     | \$0.99               | \$9.99               |
|                                      | Plastic Ladle- 5                      | \$1.95               | \$9.75               |
|                                      | Aquarium Thermometer- 10              | \$2.95               | \$29.50              |
|                                      | Plastic Spoons- 2 packs of 100        | \$3.00               | \$6.00               |
|                                      | Spray Bottles- 20                     | \$1.95               | \$39.00              |
|                                      | Red China Markers-10 packs of 4       | \$4.94               | \$49.40              |
| <b>1st- Solids and Liquids</b>       | Plastics Spoons/Blue- 1 box of 200    | \$4.95               | \$4.95               |
|                                      | Sponges/Blue- 10 dozen                | \$3.00               | \$30.00              |
|                                      | Bobby Pins- 2 packs of 50             | \$3.00               | \$6.00               |
|                                      | Hand Lenses- 10 packs of 30           | \$25.95              | \$259.50             |
|                                      | Jumbo Paper Clips- 20 boxes           | \$1.00               | \$20.00              |
|                                      | Permanent Blk Marker- 2 dozen         | \$6.95               | \$13.90              |
|                                      | Waxed Paper- 5 boxes                  | \$1.50               | \$7.50               |
|                                      | Pipe Cleaners/Red- 1 pack of 100      | \$2.00               | \$2.00               |
|                                      | Golf Tees/Red- 5 packs of 15          | \$1.95               | \$9.75               |
|                                      | Taster Spoons- 1 pack of 135          | \$4.95               | \$4.95               |
|                                      |                                       | 1st grade            |                      |
|                                      |                                       | Total per year       | \$2,140.89           |



| <i>Grade-Subject</i>       | <i>Item-quantity</i>                 | <i>cost per item</i> | <i>cost per year</i> |
|----------------------------|--------------------------------------|----------------------|----------------------|
| <b>3rd- Human Body</b>     | 1oz Container- 10 packs of 8         | \$1.00               | \$10.00              |
|                            | Small Binder Clips- 5 packs of 20    | \$1.95               | \$9.75               |
|                            | 4oz Plastic Bottles w/caps- 10       | \$0.50               | \$5.00               |
|                            | Mason Line Cords(100cm)- 1 roll      | \$3.75               | \$3.75               |
|                            | Plastic Cups-1 sleeve of 25          | \$3.25               | \$3.25               |
|                            | Plastic Lids w/ holes                | \$3.25               | \$3.25               |
|                            | Envelopes- 1 box of 200              | \$2.00               | \$2.00               |
|                            | Jump Ropes- 30                       | \$1.00               | \$30.00              |
|                            | Mr. Bones Puzzle- 100 sets           | \$1.95               | \$195.00             |
|                            | Jumbo Paper Clips- 10 boxes          | \$1.00               | \$10.00              |
|                            | Reg. Paper Clips- 10 boxes           | \$0.65               | \$6.50               |
|                            | Rubber Bands #62- 5 packs            | \$1.90               | \$9.50               |
|                            | Rubber Bands #14- 5 packs            | \$0.25               | \$1.25               |
|                            | Rubber Tubing w/ holes-2 packs       | \$5.25               | \$10.50              |
|                            | Rubber Tubing wo/ holes- 2 packs     | \$6.40               | \$12.80              |
|                            | Measuring Spoons- 5 sets             | \$3.00               | \$15.00              |
|                            | 4cm Craft Sticks w/holes- 2 packs    | \$3.00               | \$6.00               |
|                            | 11cm Craft Sticks w/holes- 2 packs   | \$3.30               | \$6.60               |
|                            | Craft Sticks- 1 box of 1,000         | \$2.95               | \$2.95               |
|                            | Thumb Tacks- 5 boxes of 100          | \$1.08               | \$5.40               |
|                            | Toothpicks (flat)- 20 boxes of 250   | \$0.90               | \$18.00              |
|                            | 10cm Twist Ties- 10 packs of 75      | \$0.55               | \$5.50               |
|                            | Vials w/ caps- 10                    | \$0.15               | \$1.50               |
|                            | Popcorn Kernels- 1 bag               | \$1.50               | \$1.50               |
|                            | Plastics Bags 6x16- 10 bags of 8     | \$1.00               | \$10.00              |
|                            | Plastic Bags 1 Liter- 10 boxes of 25 | \$2.70               | \$27.00              |
|                            | Plastic Bags 4 Liter- 2 boxes of 20  | \$2.90               | \$5.80               |
| <b>3rd- Earth,Moon,Sun</b> | Styrofoam Plates-3 packs of 50       | \$2.50               | \$7.50               |
|                            | Compass- 10 pack                     | \$3.50               | \$35.00              |
|                            | Light Bulbs- dozen                   | \$29.98              | \$29.98              |
|                            | Golf Tees-1 bag of 100               | \$5.99               | \$5.99               |
|                            | Metric Tape Measure- 20              | \$3.95               | \$79.00              |
| <b>3rd- Plants</b>         | Water Mats- 2 sheets                 | \$6.00               | \$12.00              |
|                            | Plastic Spoons (1,000ct)             | \$12.00              | \$12.00              |
|                            | Paper Cups 3oz (100ct)               | \$2.00               | \$2.00               |
|                            | Paper Cups 6oz (100ct)               | \$2.50               | \$2.50               |
|                            | Plastic Cups 1oz (250ct)             | \$6.00               | \$6.00               |
| <b>3rd- Soils</b>          | Hand lenses-10 packs of 30           | \$25.95              | \$259.50             |
|                            | Hole punch- 10                       | \$2.95               | \$29.50              |
|                            | plastic droppers-10 packs of 16      | \$1.95               | \$19.50              |
|                            | Large plastic tubes- 4 packs of 15   | \$7.95               | \$31.80              |
|                            | Large plastic funnels- 4 packs of 15 | \$13.95              | \$55.80              |
|                            | Index cards- 20                      | \$1.00               | \$20.00              |
|                            |                                      | 3rd grade            |                      |
|                            |                                      | total per year       | \$1,025.87           |





|                                    |                                             |                |            |
|------------------------------------|---------------------------------------------|----------------|------------|
| <b>6th- Energy</b>                 | Rulers w/ grooves- 40                       | \$3.00         | \$120.00   |
|                                    | 6" wooden dowel- 15                         | \$3.00         | \$45.00    |
|                                    | Thermometers- 2 packs of 30                 | \$69.95        | \$139.90   |
|                                    | Thumbtacks- 4 boxes                         | \$1.00         | \$4.00     |
|                                    | Modeling clay- 3 boxes                      | \$2.00         | \$6.00     |
|                                    | Poster board- 30 sheets                     | \$1.00         | \$30.00    |
|                                    | Cellophane squares- 6 rolls, various colors | \$4.00         | \$24.00    |
| <b>6th- Lithosphere</b>            | Hand lenses 3x/6x- 3 packs of 16            | \$11.00        | \$33.00    |
|                                    | Index cards- 10                             | \$0.95         | \$9.50     |
|                                    | Plastic knives- 2 boxes of 100              | \$5.00         | \$10.00    |
|                                    | Black Sharpies (dozen)- 4                   | \$6.95         | \$27.80    |
|                                    | Craft sticks- 1 box of 1,000                | \$7.00         | \$7.00     |
|                                    | Cardboard tubes                             | n/a            | n/a        |
|                                    | Plastic tubes                               | n/a            | n/a        |
| <b>6th- Populations &amp; Eco.</b> | Student eco sorting cards-3 sets            | \$30.50        | \$91.50    |
|                                    | Teacher eco sorting cards- 3 sets           | \$13.50        | \$40.50    |
|                                    | Ecoscenario organism cards- 3 sets          | \$115.75       | \$347.25   |
|                                    | Mono Lake cards- 16 sets                    | \$8.25         | \$132.00   |
|                                    | Sheet protectors- 2 packs                   | \$3.20         | \$6.40     |
|                                    | Transparency package- 2 packs               | \$42.95        | \$85.90    |
|                                    | Binder clips medium- 2 boxes                | \$6.60         | \$13.20    |
|                                    | Binder clips small- 2 boxes                 | \$6.60         | \$13.20    |
|                                    | 12" white chenilles- 6 packs of 50          | \$4.20         | \$25.20    |
|                                    | 9 oz cups w/ lids- 8 sleeves/ w/ lids       | \$4.25         | \$34.00    |
|                                    | Hand lenses- 3 packs of 16                  | \$11.00        | \$33.00    |
|                                    | Jumbo paper clips- 6 boxes                  | \$1.00         | \$6.00     |
|                                    | Petri dishes- 10 packs of 6                 | \$1.20         | \$12.00    |
|                                    | Pushpins- 4 packs of 20                     | \$2.00         | \$8.00     |
|                                    | 6" clear plastic rulers- 2 packs of 16      | \$0.60         | \$19.20    |
| <b>6th- Space</b>                  | Steel, Sphere set- 8 sets                   | \$11.95        | \$95.60    |
|                                    | Ring magnets, ceramic- 3 sets               | \$17.95        | \$53.85    |
|                                    | Marbles- 9 sets                             | \$0.95         | \$8.55     |
|                                    | White acrylic beads- 2 sets                 | \$11.95        | \$23.90    |
|                                    | Wood barrel beads- 2 sets                   | \$5.95         | \$11.90    |
|                                    | Plastic red bottoms- 2 sets                 | \$4.95         | \$9.90     |
|                                    | Hand lenses 2x- 4 packs of 16               | \$12.95        | \$51.80    |
|                                    | Plastic metric ruler- 4 packs of 16         | \$13.20        | \$52.80    |
|                                    | Transparency sheets- 4 packs of 100         | \$28.95        | \$115.80   |
|                                    | Flashlights- 16                             | \$3.95         | \$63.20    |
|                                    | Mini-flashlights- 24                        | \$27.95        | \$670.80   |
|                                    |                                             | 6th grade      |            |
|                                    |                                             | Total per year | \$2,481.65 |
|                                    | K-6th grade                                 |                |            |
|                                    | Total                                       | \$12,802.74    |            |

Consumable shopping  
2010-2011, 12/ /10

| Item                                   | Cod | SERC | Bacon | Total | Vendor               | Item #   | Unit Cost | Total Cost | Kit                       |
|----------------------------------------|-----|------|-------|-------|----------------------|----------|-----------|------------|---------------------------|
| Adding machine paper-pink-case         | C   |      |       |       | POS supply solutions |          | \$0.700   | \$0.00     | Comparing & Measuring     |
| Adding machine paper-white-case        | C   |      |       | 0     | POS supply solutions |          | \$0.600   | \$0.00     | Space                     |
| Adding machine paper-yellow-case       | C   |      |       | 0     | POS supply solutions |          | \$0.700   | \$0.00     | Comparing & Measuring     |
| Adhesive dots-assorted colors          | O   |      |       | 0     | Office Supply        |          |           | \$0.00     | Motion & Design           |
| Adhesive dots-lt. blue                 | O   |      |       | 0     | Office Supply        |          |           | \$0.00     | Human Body                |
| Adhesive dots-red                      | O   |      |       | 0     | Office Supply        |          |           | \$0.00     | 2nd Weather               |
| Adhesive putty 2oz                     | C   |      |       | 0     | Carolina Biological  | 975094   | \$6.950   | \$0.00     | Space                     |
| Alka-Seltzer per tablet                | R   |      |       | 0     | Walmart              |          | \$0.070   | \$0.00     | Changes                   |
| Aluminum foil 75ft/roll                | R   |      |       | 0     | Walmart              |          | \$2.840   | \$0.00     |                           |
| Bags -paper, 50/pack                   |     |      |       | 0     | Grocery              |          |           | \$0.00     | Food Chemistry            |
| Bags -Ziptop plastic, 1 gallon         |     |      |       | 0     | Grocery              |          |           | \$0.00     | PSS, Energy               |
| Bags -Ziptop plastic, 2 gallon         |     |      |       | 0     |                      |          |           | \$0.00     |                           |
| Bags -Ziptop plastic, 4x6 1000/case    |     |      |       | 0     | Not Just Paper       |          | \$0.016   | \$0.00     | Changes                   |
| Bags -Ziptop plastic, 6x9              |     |      |       | 0     | Carolina Biological  |          |           | \$0.00     | Space                     |
| Bags -Ziptop plastic, 8x10 pk/50       | C   |      |       | 0     | Carolina Biological  | 972947   | \$5.950   | \$0.00     | Food Chemistry            |
| Bags -Ziptop plastic, quart            |     |      |       | 0     | PFS                  |          |           | \$0.00     | S&L, Changes,Litho,Energy |
| Bags -Ziptop plastic, quart/heavy duty |     |      |       | 0     |                      |          |           | \$0.00     | S&L, Landforms            |
| Bags -Ziptop plastic, sandwich         |     |      |       | 0     |                      |          |           | \$0.00     | Soils,Energy              |
| Bags -Ziptop plastic, snack            |     |      |       | 0     | Grocery              |          |           | \$0.00     | Lithosperes               |
| Bags -Ziptop plastic,12x15 pk/10       | C   |      |       | 0     | Carolina Biological  | 972905   | \$2.950   | \$0.00     | Food Chemistry, Space     |
| Baking soda 8oz                        | R   |      |       | 0     | Grocery              |          | \$0.680   | \$0.00     | Energy                    |
| Balloons                               | R   |      |       | 0     | Walmart              |          |           | \$0.00     | 5th Weather               |
| Basswood-for sanding pk/36             | C   |      |       | 0     | Delta Education      | 230-3509 | \$12.200  | \$0.00     | Wood & Paper              |
| Batteries-AA                           | C   |      |       | 0     | Battery Warehouse    |          | \$0.390   | \$0.00     |                           |
| Batteries-AAA                          | C   |      |       | 0     | Battery Warehouse    |          | \$0.410   | \$0.00     |                           |
| Batteries-D                            | C   |      |       | 0     | Battery Warehouse    |          | \$0.940   | \$0.00     |                           |
| Black pepper-ground                    | R   |      |       | 0     | Grocery              |          |           | \$0.00     |                           |
| Brass paper fasteners size 2R # box    | O   |      |       | 0     | Office Supply        |          | \$2.390   | \$0.00     |                           |
| Brine Shrimp                           | C   |      |       | 0     | Carolina Biological  | 972414   | \$4.950   | \$0.00     | Animal Studies            |
| Brown kraft paper-sample pieces pk/75  | C   |      |       | 0     | Delta Education      | 162-0560 | \$4.400   | \$0.00     | Wood & Paper              |
| Cable Ties-Black                       | C   |      |       | 0     | Lowes                |          |           |            |                           |
| Cable Ties-White                       | C   |      |       | 0     | Lowes                |          |           |            |                           |
| Calcium Chloride                       | C   |      |       | 0     | Carolina Biological  | 851800   | \$5.500   | \$0.00     | Energy                    |
| Candles-tea                            | C   |      |       | 0     | Not Just Paper       |          |           | \$0.00     |                           |
| Cardboard disks-7cm w/ holes pk/32     | C   |      |       | 0     | Delta Education      | 033-4676 | \$6.200   | \$0.00     | Balance & Motion          |
| Cardboard-sample pieces pk/75          | C   |      |       |       | Delta Education      | 033-5985 | \$8.300   | \$0.00     | Wood & Paper              |
| Cardstock-lt. blue 8.5x11              | O   |      |       | 0     | Office Supply        |          |           | \$0.00     | Space                     |
| Cardstock-white 8.5x11 67# pk/250      | O   |      |       | 0     | Office Supply        |          |           | \$0.00     |                           |
| Cellophane-yellow 30x50 cm             | C   |      |       | 0     | Delta Education      | 031-0540 | \$0.300   | \$0.00     | Lithosperes               |
| Chalk-low dust 12/pack                 | O   |      |       | 0     | Office Supply        |          | \$0.790   | \$0.00     |                           |
| Cheerios                               | R   |      |       | 0     | Grocery              |          |           |            | Space                     |
| Chenille stems                         | R   |      |       | 0     | Walmart              |          |           | \$0.00     |                           |

O = Office supply store  
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Consumable shopping  
2010-2011, 12/10

| Item                                   | Cod | SERC | Bacon | Total | Vendor                 | Item #    | Unit Cost | Total Cost | Kit                             |
|----------------------------------------|-----|------|-------|-------|------------------------|-----------|-----------|------------|---------------------------------|
| Chipboard-sample pieces pk/75          | C   |      |       |       | Delta Education        | 031-9417  | \$4.800   | \$0.00     | Wood & Paper                    |
| Chipboard-sheet 8.5x11 pk/10           | C   |      |       | 0     | Carolina Biological    | 973031    | \$1.950   | \$0.00     |                                 |
| Clay-8lb bucket                        | C   |      |       | 0     | Carolina Biological    | 971610    | \$7.950   | \$0.00     | Soils                           |
| Clay-ceramic                           | C   |      |       | 0     | Delta Education        | 031-9440  | \$7.800   | \$0.00     | Pebbles Sand & Silt             |
| Clay-modeling price per stick          | C   |      |       | 0     | Discount School Supply |           | \$0.500   | \$0.00     |                                 |
| Clay-powdered                          | C   |      |       | 0     | Delta Education        | 032-3168  | \$1.300   | \$0.00     |                                 |
| Clothes pins-plastic                   | R   |      |       | 0     | Dollar General         |           |           | \$0.00     |                                 |
| Clothes pins-wooden pk/100             | R   |      |       | 0     | Walmart                |           | \$4.380   | \$0.00     |                                 |
| Cocoa powder 8oz.                      | R   |      |       | 0     | Grocery                |           | \$2.330   | \$0.00     | Space                           |
| Coconut flakes                         | R   |      |       | 0     | Grocery                |           | \$1.210   | \$0.00     | Food Chemistry                  |
| Coffee filters-cone #2 pk/40           | R   |      |       | 0     | Grocery                |           | \$1.100   | \$0.00     | Soils                           |
| Coffee filters-cone #4 pk/40           | R   |      |       | 0     | Grocery                |           | \$1.100   | \$0.00     |                                 |
| Construction paper-assorted clrs pk/50 | C   |      |       | 0     | Discount School Supply | 8WW9CPAS  | \$0.950   | \$0.00     | Lithosperes                     |
| Construction paper-black pk/50         | C   |      |       | 0     | Discount School Supply | 8WW9CPBK  | \$0.950   | \$0.00     | Changes, Energy, Space          |
| Construction paper-black 12x18         | O   |      |       | 0     | Office Supply          |           |           | \$0.00     | Space                           |
| Construction paper-bright blue pk/50   | C   |      |       | 0     | Discount School Supply | 8WW9CPBL  | \$0.950   | \$0.00     |                                 |
| Construction paper-red pk/50           | C   |      |       | 0     | Discount School Supply | 8WW9CPRE  | \$0.950   | \$0.00     |                                 |
| Construction paper-sky blue pk/50      | C   |      |       | 0     | Discount School Supply | 8WW9CPSB  | \$0.950   | \$0.00     |                                 |
| Construction paper-white pk/50         | C   |      |       | 0     | Discount School Supply | 8WW9CPWH  | \$0.950   | \$0.00     | S&L, Soils                      |
| Construction paper-white 12x18 pk/50   | C   |      |       | 0     | Discount School Supply | 8WW12CPWH | \$1.890   | \$0.00     |                                 |
| Construction paper-yellow pk/50        | C   |      |       | 0     | Discount School Supply | 8WW9CPYE  | \$0.950   | \$0.00     |                                 |
| Continent shapes-vinyl                 | C   |      |       | 0     | Delta Education        | 192-0412  | \$2.800   | \$0.00     | Lithosperes                     |
| Copper sulfate squares pk/3            | C   |      |       | 0     | Carolina Biological    | 971943    | \$2.250   | \$0.00     | Plants                          |
| Corn starch 16oz.                      | R   |      |       | 0     | Grocery                |           | \$1.300   | \$0.00     |                                 |
| Corn syrup-light 16oz.                 | R   |      |       | 0     | Grocery                |           | \$2.630   | \$0.00     |                                 |
| Corrugated paper-sample pieces pk/75   | C   |      |       | 0     | Delta Education        | 162-0550  | \$14.500  | \$0.00     | Wood & Paper                    |
| Cotton swabs pk/500                    | R   |      |       | 0     | Walmart                |           | \$1.940   | \$0.00     |                                 |
| Craft sticks-wooden pk/1000            | C   |      |       | 0     | Discount School Supply |           |           | \$0.00     | All                             |
| Crayons-96 ct per box                  | C   |      |       | 0     | Discount School Supply |           |           | \$0.00     | Lithosperes                     |
| Crayons-assorted color pack            | C   |      |       | 0     | Carolina Biological    | 971416    | \$1.950   | \$0.00     | Solids & Liquids                |
| Crayons-black pk/32                    | C   |      |       | 0     | Carolina Biological    | 971405    | \$2.950   | \$0.00     | Solids & Liquids                |
| Crochet thread-roll                    | R   |      |       | 0     | Walmart                |           | \$1.970   | \$0.00     | 2nd Weather                     |
| Cups-(1oz, lids, Kimwipes) pk/30       | C   |      |       | 0     | Carolina Biological    | 971514    | \$6.950   | \$0.00     | Cycles                          |
| Cups-1 1/4 oz. plastic- DART (125pc)-  | C   |      |       | 0     | Not Just Paper         |           | \$0.014   | \$0.00     | Soils                           |
| Cups-10 oz. plastic 1000/case          | C   |      |       | 0     | PFS                    |           | \$0.078   | \$0.00     | Orgs, Solids and Liquids, Sound |
| Cups-10 oz. styrofoam 1000/case        |     |      |       | 0     | Not Just Paper         |           | \$0.027   | \$0.00     | Earth Moon & Sun                |
| Cups-2 oz. plastic 2500/case Solo      |     |      |       | 0     | Not Just Paper         |           | \$0.017   | \$0.00     |                                 |
| Cups-3 oz. paper-case                  |     |      |       | 0     | PFS                    |           |           | \$0.00     | Balance & Motion, Lithosperes   |
| Cups-3.5 oz. plastic Solo              |     |      |       | 0     |                        |           |           | \$0.00     | Solids & Liquids                |
| Cups-4 oz. plastic                     |     |      |       | 0     |                        |           |           | \$0.00     |                                 |
| Cups-5 oz. paper-sleeves of 100        |     |      |       | 0     |                        |           |           | \$0.00     | Balance & Motion                |
| Cups-5 oz. plastic                     |     |      |       | 0     | Not Just Paper         |           | \$0.022   | \$0.00     |                                 |

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Consumable shopping  
2010-2011, 12/10

| Item                               | Cod | SERC | Bacon | Total | Vendor                 | Item #   | Unit Cost | Total Cost | Kit                          |
|------------------------------------|-----|------|-------|-------|------------------------|----------|-----------|------------|------------------------------|
| Cups-6 oz. paper                   |     |      |       | 0     | Not Just Paper         |          | \$0.060   | \$0.00     |                              |
| Cups-7 oz. plastic 1000/case       | C   |      |       | 0     | Not Just Paper         |          | \$0.023   | \$0.00     |                              |
| Cups-8 oz. paper                   |     |      |       | 0     | PFS                    |          |           | \$0.00     | Lithosperes                  |
| Cups-9 oz. plastic 1000/case       | C   |      |       | 0     | Cup Depot              |          | \$0.072   | \$0.00     | Soils, Landforms             |
| Disposable gloves 100/box          |     |      |       | 0     |                        |          |           | \$0.00     | Organisms, R&M, An.St.       |
| Dried apples                       | R   |      |       | 0     | Grocery                |          | \$3.290   | \$0.00     | Food Chemistry               |
| Dropper bottles pk/48              | C   |      |       | 0     | Carolina Biological    | 972913   | \$13.950  | \$0.00     | Food Chemistry               |
| Egg whites-powdered 3oz.           | R   |      |       | 0     | Grocery                |          | \$6.990   | \$0.00     | Food Chemistry               |
| Envelopes                          | O   |      |       | 0     | Office Supply          |          |           | \$0.00     |                              |
| Fertilizer pellets-2oz.            | C   |      |       | 0     | Carolina Biological    | 971929   | \$4.950   | \$0.00     | Plants                       |
| Fish Food                          | C   |      |       | 0     | Walmart                |          |           | \$0.00     |                              |
| Fishing line-10lb test             | R   |      |       | 0     | Walmart                |          | \$2.560   | \$0.00     | Sound                        |
| Fishing line-20lb test             | R   |      |       | 0     | Walmart                |          | \$2.560   | \$0.00     | Sound                        |
| Fishing line-30lb test             | R   |      |       | 0     | Walmart                |          | \$2.560   | \$0.00     | Sound                        |
| Fishing line-8lb test              | R   |      |       | 0     | Walmart                |          | \$2.560   | \$0.00     | Sound                        |
| Flour 2lb                          | R   |      |       | 0     | Grocery                |          | \$1.290   | \$0.00     |                              |
| Food coloring 4 color set          | R   |      |       | 0     | Grocery                |          |           | \$0.00     |                              |
| Garbage bag-large black 40ct roll  | R   |      |       | 0     | Walmart                |          | \$6.740   | \$0.00     | Energy                       |
| Gelatin packets                    | R   |      |       | 0     | Grocery                |          |           | \$0.00     | Lithosperes                  |
| Glue -white                        | C   |      |       | 0     | Discount School Supply |          | \$6.990   | \$0.00     |                              |
| Glycerin                           | R   |      |       | 0     | Walmart                |          | \$3.120   | \$0.00     | 5th Weather                  |
| Granola bars 2 bar/pk              | R   |      |       | 0     | Grocery                |          | \$0.400   | \$0.00     | Food Chemistry               |
| Graph paper - 8.5x11 pk/50         | O   |      |       | 0     | Office Supply          |          |           | \$0.00     | M&D, 5th Weather             |
| Graph paper - large sheet pk/100   | O   |      |       | 0     | Office Supply          |          |           | \$0.00     |                              |
| Gravel -mixed 5lb                  | C   |      |       | 0     | Delta Education        | 070-7057 | \$2.100   | \$0.00     | Pebbles Sand & Silt          |
| Gravel -price per lb. (30lb boxes) | C   |      |       | 0     | Carolina Biological    | 97-1157  | \$0.665   | \$0.00     |                              |
| Honeybees-dried                    | C   |      |       | 0     | Carolina Biological    | 971919   | \$4.950   | \$0.00     | Plants                       |
| Humus - 11lbs./bag                 | C   |      |       | 0     | Carolina Biological    | 971612   | \$8.950   | \$0.00     |                              |
| Index cards -3x5 pk/100            | O   |      |       | 0     | Office Supply          |          | \$0.600   | \$0.00     | Balance & Motion, Human Body |
| Index cards -4x6 pk/100            | O   |      |       | 0     | Office Supply          |          | \$1.000   | \$0.00     |                              |
| Instant ocean                      | R   |      |       | 0     | Pet Smart              |          |           | \$0.00     |                              |
| Iodine                             | R   |      |       | 0     | Walmart                |          | \$6.240   | \$0.00     |                              |
| Knives -plastic                    | C   |      |       | 0     | Not Just Paper         |          |           | \$0.00     |                              |
| Labels -blank                      | C   |      |       | 0     |                        |          |           | \$0.00     |                              |
| Lids- 1 oz.-1 case                 |     |      |       | 0     |                        |          |           | \$0.00     |                              |
| Lids- 10 oz. 1000/case             | C   |      |       | 0     | PFS                    |          | \$0.036   | \$0.00     | Orgs,Space                   |
| Lids- 2 oz. 1000 case              |     |      |       | 0     |                        |          |           | \$0.00     | Food chemistry               |
| Lids- 3 oz. Solo                   |     |      |       | 0     | Not Just Paper         | PL2      | \$0.017   | \$0.00     | Solids & Liquids             |
| Lids- 9 oz. 1000/case Dart/Karat   | C   |      |       | 0     | Not Just Paper         |          | \$0.055   | \$0.00     |                              |
| Light bulb, appliance              |     |      |       | 0     |                        |          |           | \$0.00     | Electricity                  |
| Light bulbs-60W                    | R   |      |       | 0     | Walmart                |          | \$0.250   | \$0.00     |                              |
| Living Materials Order Form        | C   |      |       | 0     | Carolina Biological    | 971500   | \$74.000  | \$0.00     | Cycles                       |

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Consumable shopping  
2010-2011, 12/10

| Item                          | Cod | SERC | Bacon | Total | Vendor                 | Item #       | Unit Cost | Total Cost | Kit                 |
|-------------------------------|-----|------|-------|-------|------------------------|--------------|-----------|------------|---------------------|
| Living Materials Order Form   | C   |      |       | 0     | Carolina Biological    | 971100       | \$176.950 | \$0.00     | Organisms           |
| Living Materials Order Form   | C   |      |       | 0     | Carolina Biological    | 971600       | \$17.950  | \$0.00     | Soils               |
| Living Materials Order Form   | C   |      |       | 0     | Carolina Biological    | 972400       | \$193.500 | \$0.00     | Animal Studies      |
| Living Materials Order Form   | C   |      |       | 0     | Carolina Biological    | 972800       | \$129.950 | \$0.00     | Ecosystems          |
| Living Materials Order Form   | C   |      |       | 0     | Carolina Biological    | L847 & L624E |           | \$0.00     | Pop & Eco           |
| Manila folders                | O   |      |       | 0     | Office Supply          |              |           | \$0.00     |                     |
| Marker-black pk/12            | O   |      |       | 0     | Office Supply          |              | \$0.670   | \$0.00     |                     |
| Marker-green pk/12            | O   |      |       | 0     | Office Supply          |              | \$0.670   | \$0.00     |                     |
| Marker-orange pk/12           | O   |      |       | 0     | Office Supply          |              | \$0.670   | \$0.00     |                     |
| Marshmallows-miniature        | R   |      |       | 0     | Grocery                |              | \$0.890   | \$0.00     | Food Chemistry      |
| Matches-books box/1000        | R   |      |       | 0     | Grocery                |              | \$1.800   | \$0.00     |                     |
| Matches-long wooden fireplace | R   |      |       | 0     | Grocery                |              |           | \$0.00     |                     |
| Matches-wooden large box      | R   |      |       | 0     | Grocery                |              |           | \$0.00     | Energy              |
| Matches-wooden small box      | R   |      |       | 0     | Grocery                |              |           | \$0.00     |                     |
| Napkins                       | R   |      |       | 0     | Walmart                |              | \$0.010   | \$0.00     |                     |
| Netting-23x150cm              | C   |      |       | 0     | Delta Education        | 140-1399     | \$5.700   | \$0.00     | Pop & Eco           |
| Newsprint-sample pieces pk/75 | C   |      |       | 0     | Delta Education        | 162-0571     | \$1.900   | \$0.00     | Wood & Paper        |
| Oil-Corn 16oz.                | R   |      |       | 0     | Grocery                |              | \$3.480   | \$0.00     |                     |
| Oil-vegetable 16oz.           | R   |      |       | 0     | Grocery                |              | \$2.490   | \$0.00     |                     |
| Onion-freeze dried            | R   |      |       | 0     | Grocery                |              | \$1.900   | \$0.00     | Food Chemistry      |
| Paper bags-brown              | C   |      |       | 0     | Not Just Paper         |              | \$0.030   | \$0.00     |                     |
| Paper clips-jumbo 100/box     | O   |      |       | 0     | Office Supply          |              | \$0.007   | \$0.00     |                     |
| Paper clips-regular 100/box   | O   |      |       | 0     | Office Supply          |              | \$0.400   | \$0.00     |                     |
| Paper -drawing white 18x24    | C   |      |       | 0     | Discount School Supply |              |           | \$0.00     | Lithosperes         |
| Paper towels                  | R   |      |       | 0     | Walmart                |              | \$0.890   | \$0.00     |                     |
| Paper trays pk/15             | C   |      |       | 0     | Carolina Biological    | 971607       | \$4.950   | \$0.00     |                     |
| Paper -white copy             | O   |      |       | 0     | Office Supply          |              |           | \$0.00     |                     |
| Pearl beads-white 2.5mm       | R   |      |       | 0     | Walmart                |              |           | \$0.00     | Space               |
| Peat pots                     | C   |      |       | 0     | Stone Brothers         |              |           | \$0.00     |                     |
| Pebbles-large                 | C   |      |       | 0     | Delta Education        | 160-9167     | \$1.900   | \$0.00     | Pebbles Sand & Silt |
| Pebbles-small                 | C   |      |       | 0     | Delta Education        | 161-2016     | \$1.500   | \$0.00     | Pebbles Sand & Silt |
| Pencils- dozen                | O   |      |       | 0     | Office Supply          |              | \$0.067   | \$0.00     | K-Weather           |
| Peppercorn-whole 2oz          | R   |      |       | 0     | Grocery                |              | \$1.900   | \$0.00     | Space               |
| Pepper-ground                 | R   |      |       | 0     | Grocery                |              | \$0.990   | \$0.00     |                     |
| Petri dishes pk/20            | C   |      |       | 0     | Carolina Biological    | 971632       | \$5.500   | \$0.00     | Food Chemistry      |
| Petroleum Jelly Tubes         | C   |      |       | 0     | CVS.com                |              |           | \$0.00     | Energy              |
| Phenol red solution           | C   |      |       | 0     | Carolina Biological    |              |           | \$0.00     | Energy              |
| Pins-push                     | O   |      |       | 0     | Office Supply          |              |           | \$0.00     |                     |
| Pins-round head straight      | R   |      |       | 0     | Walmart                |              | \$1.280   | \$0.00     | Space               |
| Pins-straight pk/100?         | R   |      |       | 0     | Walmart                |              | \$1.280   | \$0.00     | K-Weather           |
| Plankton                      | C   |      |       | 0     | Carolina Biological    | 972438       | \$10.950  | \$0.00     | Animal Studies      |
| Planter labels pk/36          | C   |      |       | 0     | Carolina Biological    | 973133       | \$3.950   | \$0.00     |                     |

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Consumable shopping  
2010-2011, 12/10

| Item                                  | Cod | SERC | Bacon | Total | Vendor              | Item #   | Unit Cost | Total Cost | Kit                 |
|---------------------------------------|-----|------|-------|-------|---------------------|----------|-----------|------------|---------------------|
| Planter rings pk/34                   | C   |      |       | 0     | Carolina Biological | 971141   | \$3.950   | \$0.00     |                     |
| Plastic wrap 200ft roll               | R   |      |       | 0     | Walmart             |          | \$1.470   | \$0.00     |                     |
| Plates-paper pk/100                   | R   |      |       | 0     | Walmart             |          | \$2.400   | \$0.00     | Wood & Paper, PSS   |
| Plates-styrofoam pk/150               | R   |      |       | 0     | Walmart             |          | \$0.023   | \$0.00     |                     |
| Polyester wool batting                | R   |      |       | 0     | Walmart             |          |           | \$0.00     | Pop & Eco           |
| Posterboard                           | O   |      |       | 0     | Office Supply       |          |           | \$0.00     |                     |
| Post-it notes-2x2 12/pk               | O   |      |       | 0     | Office Supply       |          |           | \$0.00     |                     |
| Post-it notes-2x3 12/pk               | O   |      |       | 0     | Office Supply       |          |           | \$0.00     |                     |
| Post-it notes-3x3 12/pk               | O   |      |       | 0     | Office Supply       |          |           | \$0.00     | Human Body          |
| Post-it notes-3x5 12/pk               | O   |      |       | 0     | Office Supply       |          |           | \$0.00     |                     |
| Post-it notes-4x6 12/pk               | O   |      |       | 0     | Office Supply       |          |           | \$0.00     |                     |
| Putty                                 | R   |      |       | 0     | Carolina Biological |          |           | \$0.00     | Space               |
| Rice-white bags                       | R   |      |       | 0     | Grocery             |          | \$0.610   | \$0.00     | Food Chemistry      |
| Round oat cereal 1oz (Cheerios)       | R   |      |       | 0     | Grocery             |          | \$2.490   | \$0.00     | Space               |
| Rubber bands #14 pk/500               | O   |      |       | 0     |                     |          |           |            | Balance & Motion    |
| Rubber bands #16 pk/2500              | O   |      |       | 0     | Office Supply       |          | \$6.990   | \$0.00     |                     |
| Rubber bands #33 pk/850               | O   |      |       | 0     | Office Supply       |          | \$6.990   | \$0.00     |                     |
| Rubber bands #64 pk/440               | O   |      |       | 0     | Office Supply       |          | \$6.990   | \$0.00     |                     |
| Rubber bands #8 pk/1250               | O   |      |       | 0     | Office Supply       |          | \$2.990   | \$0.00     | Wood & Paper        |
| Rubbing alcohol 16oz.                 | R   |      |       | 0     | Walmart             |          | \$1.060   | \$0.00     | Food Chemistry      |
| Salt-kosher 16oz.                     | R   |      |       | 0     | Grocery             |          | \$1.090   | \$0.00     |                     |
| Salt-table                            | R   |      |       | 0     | Grocery             |          | \$0.590   | \$0.00     |                     |
| Sand -play price per lb. (50 lb bags) | R   |      |       | 0     | Lowe's              |          | \$0.074   | \$0.00     | Animal Studies      |
| Sand -unwashed                        | C   |      |       | 0     | Delta Education     | 192-0775 | \$2.200   | \$0.00     | Pebbles Sand & Silt |
| Sandpaper-150 grit pk/5               | C   |      |       | 0     | Delta Education     | 192-3701 | \$2.400   | \$0.00     | Pebbles Sand & Silt |
| Sandpaper-50 grit pk/5                | C   |      |       | 0     | Delta Education     | 192-3712 | \$3.900   | \$0.00     | Wood & Paper        |
| Sandpaper-80 grit pk/5                | C   |      |       | 0     | Delta Education     | 190-0381 | \$2.400   | \$0.00     | Pebbles Sand & Silt |
| Sandwich bag-foldover pk/150          | R   |      |       | 0     | Walmart             |          | \$1.300   | \$0.00     | Sound               |
| Sawdust 1lb bag                       | C   |      |       | 0     | Delta Education     | 191-7112 | \$0.800   | \$0.00     | Wood & Paper        |
| Seeds-alfalfa                         | C   |      |       | 0     | Carolina Biological | 972836   | \$0.950   | \$0.00     | Ecosystems          |
| Seeds-cucumber                        | C   |      |       | 0     | Carolina Biological | 971637   | \$1.950   | \$0.00     | Soils               |
| Seeds-lima bean                       | C   |      |       | 0     | Carolina Biological | 971907   | \$2.950   | \$0.00     | Plants              |
| Seeds-marvel peas                     | C   |      |       | 0     | Carolina Biological | 971112   | \$0.950   | \$0.00     | Organisms           |
| Seeds-mustard                         | C   |      |       | 0     | Carolina Biological | 972838   | \$0.950   | \$0.00     | Ecosystems          |
| Seeds-pumpkin                         | C   |      |       | 0     | Carolina Biological | 971116   | \$2.950   | \$0.00     | Organisms           |
| Seeds-red kidney beans                | C   |      |       | 0     | Carolina Biological | 971114   | \$1.500   | \$0.00     | Organisms           |
| Seeds-rye grass                       | C   |      |       | 0     | Carolina Biological | 972834   | \$0.950   | \$0.00     | Ecosystems          |
| Seeds-sunflower                       | C   |      |       | 0     | Carolina Biological | 971119   | \$0.950   | \$0.00     | Organisms           |
| Seeds-sunflower shelled 7oz           | C   |      |       | 0     | Delta Education     | 193-1290 | \$4.200   | \$0.00     | Pop & Eco           |
| Seeds-sunflower?????                  | C   |      |       | 0     | Stone Brothers      |          |           | \$0.00     | Soils               |
| Seeds-Wisconsin fast plants           | C   |      |       | 0     | Carolina Biological | 971927   | \$25.750  | \$0.00     | Plants              |
| Shafts-green plastic pk/250           | C   |      |       | 0     | Delta Education     | 193-3930 | \$20.400  | \$0.00     | Balance & Motion    |

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Consumable shopping  
2010-2011, 12/10

| Item                                 | Cod | SERC | Bacon | Total | Vendor              | Item #    | Unit Cost | Total Cost | Kit                              |
|--------------------------------------|-----|------|-------|-------|---------------------|-----------|-----------|------------|----------------------------------|
| Shampoo-green                        | R   |      |       | 0     | Walmart             |           | \$1.070   | \$0.00     | Solids & Liquids                 |
| Shampoo-red                          | R   |      |       | 0     | Walmart             |           | \$1.070   | \$0.00     | Solids & Liquids                 |
| Shavings-wood 1lb bag                | C   |      |       | 0     | Delta Education     | 230-3553  | \$0.500   | \$0.00     | Wood & Paper                     |
| Soil-Carolina Woodland Terrarium 12L | C   |      |       | 0     | Carolina Biological | 971155    | \$6.250   | \$0.00     |                                  |
| Soil-forest                          | C   |      |       | 0     | Dig or Volunteer    |           |           | \$0.00     |                                  |
| Soil-potting 7 lbs./bag              | C   |      |       | 0     | Delta Education     | 191-3559  | \$2.500   | \$0.00     | PSS, Org., Plants, An.St         |
| Soil-seed starter                    | C   |      |       | 0     | Carolina Biological | 971128    | \$11.950  | \$0.00     | Organisms                        |
| Split pea bag                        | R   |      |       | 0     | Grocery             |           | \$1.290   | \$0.00     | Space                            |
| Sponges                              | R   |      |       | 0     | Walmart             |           |           | \$0.00     |                                  |
| Spoon-(plastic w/ paintbrush)        | C   |      |       | 0     | Carolina Biological | 971517    | \$0.950   | \$0.00     | Cycles                           |
| Spoons-plastic case/1000             | C   |      |       | 0     | Not Just Paper      |           | \$13.750  | \$0.00     |                                  |
| Spoons-taster-case                   | C   |      |       | 0     | Not Just Paper      |           |           | \$0.00     | Solids & Liquids, Food Chemistry |
| Straws-jumbo box/250                 | C   |      |       | 0     | Not Just Paper      |           | \$1.400   | \$0.00     | Balance & Motion                 |
| Straws-regular                       | C   |      |       | 0     | Not Just Paper      |           |           | \$0.00     | K-Weather, Sound                 |
| String-thin ball                     | C   |      |       | 0     | Delta Education     | 1919-4582 | \$2.300   | \$0.00     | Human Body, 5th Weather          |
| Styrene sphere-1 3/8" Pk/25          | C   |      |       | 0     | Carolina Biological | 975134    | \$10.950  | \$0.00     | Space                            |
| Styrene sphere-3" Pk/25              | C   |      |       | 0     | Carolina Biological | 975135    | \$24.950  | \$0.00     | Space                            |
| Styrofoam balls-black                | C   |      |       | 0     | Delta Education     | 022-2320  | \$5.700   | \$0.00     | Lithosperes                      |
| Sugar-cubes 100/box                  | R   |      |       | 0     | Target              |           |           | \$0.00     | Changes, Cycles                  |
| Sugar-granulated 2.5lb               | R   |      |       | 0     | Grocery             |           | \$1.890   | \$0.00     |                                  |
| Sugar-packets pk/100                 | R   |      |       | 0     | Grocery             |           | \$3.600   | \$0.00     |                                  |
| Surveyor's tape                      | R   |      |       | 0     | Lowe's              |           | \$1.990   | \$0.00     | 2nd Weather                      |
| Tagboard-sample pieces pk/75         | C   |      |       | 0     | Delta Education     | 200-7422  | \$2.500   | \$0.00     | Wood & Paper                     |
| Tap water conditioner                | C   |      |       | 0     | Carolina Biological | 971160    | \$4.950   | \$0.00     | Animal Studies                   |
| Tape-clear                           | O   |      |       | 0     | Office Supply       |           |           | \$0.00     |                                  |
| Tape-duct                            | O   |      |       | 0     | Office Supply       |           |           | \$0.00     |                                  |
| Tape-masking                         | O   |      |       | 0     | Office Supply       |           |           | \$0.00     | Human Body, An.St.               |
| Tape-packing clear                   | O   |      |       | 0     | Office Supply       |           |           | \$0.00     |                                  |
| Tape-removable clear                 | O   |      |       | 0     | Office Supply       |           |           | \$0.00     |                                  |
| Template for pinhole viewers         | N   |      |       | 0     | Make in-house       |           |           | \$0.00     | Earth Moon & Sun                 |
| Test strips-glucose Pk/100           | C   |      |       | 0     | Carolina Biological | 972926    | \$23.950  | \$0.00     | Food Chemistry                   |
| Test strips-pH roll                  | C   |      |       | 0     | Carolina Biological | 972851    | \$7.950   | \$0.00     | Ecosystems                       |
| Test strips-pH strips                | C   |      |       | 0     | Carolina Biological |           |           | \$0.00     | Lithosperes                      |
| Test strips-protein pk/500           | C   |      |       | 0     | Carolina Biological | 972927    | \$18.950  | \$0.00     | Food Chemistry                   |
| Thin wood pieces-200                 | C   |      |       | 0     | Delta Education     | 230-3487  | \$6.700   | \$0.00     | Wood & Paper                     |
| Thread-white                         | R   |      |       | 0     | Walmart             |           | \$0.220   | \$0.00     | Lithosperes                      |
| Toilet paper                         | R   |      |       | 0     | Walmart             |           | \$0.220   | \$0.00     |                                  |
| Toothpicks-flat                      | R   |      |       | 0     | Walmart             |           |           | \$0.00     |                                  |
| Toothpicks-round                     | R   |      |       | 0     | Walmart             |           |           | \$0.00     | Plants                           |
| Tubes w/ caps pk/75                  | C   |      |       | 0     | Carolina Biological | 971635A   | \$19.950  | \$0.00     | Soils                            |
| Twine-cotton med weight              | R   |      |       | 0     | Lowe's              |           | \$2.230   | \$0.00     |                                  |
| Vinegar-white                        | R   |      |       | 0     | Grocery             |           | \$1.070   | \$0.00     |                                  |

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Consumable shopping  
2010-2011, 12/ /10

| Item                                 | Cod | SERC | Bacon | Total | Vendor              | Item #   | Unit Cost | Total Cost | Kit              |
|--------------------------------------|-----|------|-------|-------|---------------------|----------|-----------|------------|------------------|
| Wax paper                            | R   |      |       | 0     | Walmart             |          | \$1.990   | \$0.00     |                  |
| Weather calanders/ desk calendar/box | O   |      |       | 0     | Office Supply       |          |           | \$0.00     |                  |
| Wicks                                | C   |      |       | 0     | Carolina Biological | 971941   | \$5.950   | \$0.00     | Plants           |
| Wires-aluminum pk/40                 | C   |      |       | 0     | Delta Education     | 230-3201 | \$6.200   | \$0.00     | Balance & Motion |
| Wooden stakes pk/34                  | C   |      |       | 0     | Carolina Biological | 971139   | \$1.950   | \$0.00     | Organisms        |
| Wooden stirrers pk/30 round          | C   |      |       | 0     | Carolina Biological |          |           | \$0.00     |                  |
| Wooden stirrers pk/250 rectangle     | C   |      |       | 0     | Carolina Biological | 971319   | \$1.950   | \$0.00     |                  |
| Yeast- Envelopes Packs               | R   |      |       | 0     | Grocery             |          | \$7.140   | \$0.00     | Changes          |
|                                      |     |      |       |       |                     |          |           |            |                  |
|                                      |     |      |       |       |                     |          |           |            |                  |
|                                      |     |      |       |       |                     |          |           |            |                  |
|                                      |     |      |       |       |                     |          |           |            |                  |
|                                      |     |      |       |       |                     |          |           | \$0.00     |                  |

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Tier 1 shopping  
2010-2011, 12/10

| Item                               | Code | SERC | Bacon | Total | Vendor   | Item # | Unit Cost | Total Cost | Kit                        |
|------------------------------------|------|------|-------|-------|----------|--------|-----------|------------|----------------------------|
| Bags -Gallon                       |      |      |       | 0     |          |        |           |            | B&M, PSS, Human Body       |
| Bags -quart                        |      |      |       | 0     |          |        |           |            | PSS, Human Body            |
| Bags -sandwich                     |      |      |       | 0     |          |        |           |            | K-Weather,W&P,Sound        |
| Bags, plastic 6"x16"               |      |      |       | 0     |          |        |           |            | Human Body                 |
| Brass paper fasteners 100/box      |      |      |       | 0     |          |        |           |            | Human Body                 |
| Cardboard disks-12cm w/ slit-pk/32 |      |      |       | 0     |          |        |           |            | Balance & Motion           |
| Clothespins-wooden pk/100          |      |      |       | 0     |          |        |           |            | Balance & Motion           |
| Craft sticks w/ hole, 4 cm         |      |      |       | 0     |          |        |           |            | Human Body                 |
| Craft sticks w/ holes, 11 cm       |      |      |       | 0     |          |        |           |            | Human Body                 |
| Cups - 1 oz. plastic 250/sleeve    |      |      |       | 0     |          |        |           |            | Human Body                 |
| Cups - 2 oz. plastic 250/sleeve    |      |      |       | 0     |          |        |           |            | Animal Studies             |
| Cups - 3 oz. paper - 250/box       |      |      |       | 0     |          |        |           |            | Plants                     |
| Cups - 9 oz. plastic 50/sleeve     |      |      |       | 0     |          |        |           |            | Human Body                 |
| Cups - 9 oz. plastic 50/sleeve     |      |      |       | 0     |          |        |           |            | Animal Studies             |
| Deli containers-1 liter - fluted   |      |      |       | 0     |          |        |           |            | Wood & Paper               |
| Deli containers-1/2 liter          |      |      |       | 0     |          |        |           |            | Rocks & Minerals           |
| Deli containers-1/4 liter          |      |      |       | 0     |          |        |           |            | Pebbles, Sand & Silt       |
| Dip nets                           |      |      |       | 0     |          |        |           |            | Animal Studies             |
| Flexitubes-pack of 30              |      |      |       | 0     | Carolina |        |           |            | K-Weather                  |
| Flight Cages                       |      |      |       | 0     | Carolina |        |           |            | Cycles                     |
| Fluted Clear Deli Containers       |      |      |       | 0     | Delta    |        |           |            | Litho                      |
| Fold Over Sandwich Bags            |      |      |       | 0     |          |        |           |            | Sound                      |
| Funnels, plastic - 5 mm, 15/pack   |      |      |       | 0     |          |        |           |            | Soils, Food Chem           |
| Gneiss                             |      |      |       | 0     | Delta    |        |           |            | Litho                      |
| Grey Foam                          |      |      |       | 0     | Delta    |        |           |            | Litho                      |
| Hair grass models                  |      |      |       | 0     |          |        |           |            | Animal Studies             |
| Hand lenses - pk/30                |      |      |       | 0     |          |        |           |            | PSS, Plants, Litho, 4th gr |
| Hole puncher - 1 hole              |      |      |       | 0     |          |        |           |            | Soils                      |
| Ice pick                           |      |      |       | 0     |          |        |           |            | Sound                      |
| Igneous Rocks                      |      |      |       | 0     | Delta    |        |           |            | Litho                      |
| Jump ropes                         |      |      |       | 0     |          |        |           |            | Human Body                 |
| Lids - 9 oz. cups 100/sleeve       |      |      |       | 0     |          |        |           |            | Human Body                 |
| Lids - 9 oz. cups 100/sleeve       |      |      |       | 0     |          |        |           |            | Animal Studies             |
| Light bulb - bright, no heat       |      |      |       | 0     |          |        |           |            | Earth, Moon & Sun          |
| Loupe Magnifiers                   |      |      |       | 0     | Delta    |        |           |            | Pebbles, Sand & Silt       |
| Magnets - Cow                      |      |      |       | 0     |          |        |           |            | Electricity                |
| Magnets - Horseshoe                |      |      |       | 0     |          |        |           |            | Electricity                |
| Marble                             |      |      |       | 0     | Delta    |        |           |            | Litho                      |
| Markers-dry erase- 4/pack          |      |      |       | 0     |          |        |           |            | Cycles, Space              |
| Markers-dry erase, blue 16/pack    |      |      |       | 0     |          |        |           |            | Landforms                  |
| Mason line cords (100 cm)          |      |      |       | 0     |          |        |           |            | Human Body                 |
| Measuring spoon sets               |      |      |       | 0     |          |        |           |            | Human Body                 |
| Measuring Spoons 1/4 tsp           |      |      |       | 0     |          |        |           |            | Changes                    |

Tier 1 shopping  
2010-2011, 12/ /10

| Item                         | Code | SERC | Bacon | Total | Vendor | Item # | Unit Cost | Total Cost | Kit                     |
|------------------------------|------|------|-------|-------|--------|--------|-----------|------------|-------------------------|
| Mesh screens                 |      |      |       | 0     |        |        |           |            | Wood & Paper            |
| Mr. Bones puzzle 2/set       |      |      |       | 0     |        |        |           |            | Human Body              |
| Nails - steel #12, box       |      |      |       | 0     |        |        |           |            | Rocks & Minerals        |
| NC Geological map            |      |      |       | 0     |        |        |           |            | Rocks & Minerals        |
| Paint Brushes                |      |      |       | 20    |        |        |           |            | Cycles                  |
| Paper clips, regular 100/box |      |      |       | 0     |        |        |           |            | Human Body              |
| Pen lights/mini-flashlights  |      |      |       | 0     |        |        |           |            | Rocks & Minerals        |
| Pencils-12/pack              |      |      |       | 42    |        |        |           |            | Comparing and Measuring |
| Pie Tins                     |      |      |       | 16    |        |        |           |            | K-Weather               |
| Plastic bottle w/ screw cap  |      |      |       | 0     |        |        |           |            | Human Body              |
| Plastic tubes, large 15/pack |      |      |       | 0     |        |        |           |            | Soils                   |
| Plastic tubes/caps           |      |      |       | 0     | Delta  |        |           |            | Litho                   |
| Popcorn kernels bags         |      |      |       | 0     |        |        |           |            | Human Body              |
| Poster -particleboard        |      |      |       | 0     |        |        |           |            | Wood & Paper            |
| Poster -plywood              |      |      |       | 0     |        |        |           |            | Wood & Paper            |
| Poster -tree set of 3        |      |      |       | 0     |        |        |           |            | Wood & Paper            |
| Quartzite                    |      |      |       | 0     | Delta  |        |           |            | Litho                   |
| Rubber bands #14             |      |      |       | 0     |        |        |           |            | Human Body              |
| Rubber bands #62             |      |      |       | 0     |        |        |           |            | Human Body              |
| Rubber tubing w/o holes      |      |      |       | 0     |        |        |           |            | Human Body              |
| Rulers -12"-plastic          |      |      |       | 0     |        |        |           |            | Solids & Liquids, Litho |
| Rulers -12"-wood             |      |      |       | 0     |        |        |           |            | Sound                   |
| Rulers -18"-wood             |      |      |       | 0     |        |        |           |            | Sound                   |
| Sedimentary Rocks            |      |      |       | 0     | Delta  |        |           |            | Litho                   |
| Sharpies-Red                 |      |      |       | 0     |        |        |           |            | Comparing and Measuring |
| Slate                        |      |      |       | 0     | Delta  |        |           |            | Litho                   |
| Sponges                      |      |      |       | 0     |        |        |           |            | Wood & Paper            |
| Thermometer backs            |      |      |       | 0     |        |        |           |            | K-Weather               |
| Thermometers -30/pack        |      |      |       | 0     |        |        |           |            | K-Weather               |
| Thumbtacks 100/box           |      |      |       | 0     |        |        |           |            | Human Body              |
| Toothpicks, flat 250/box     |      |      |       | 0     |        |        |           |            | Human Body              |
| Transparent film - 50/box    |      |      |       | 0     |        |        |           |            | Rocks & Minerals        |
| Water conditioner            |      |      |       | 0     |        |        |           |            | Animals 2x2             |
| Water mats                   |      |      |       | 0     |        |        |           |            | Plants                  |
| Wooden Spools                |      |      |       | 0     |        |        |           |            | Comparing and Measuring |

| Item                              | Code | SERC | Bacon | Total | Vendor | Item # | Unit Cost | Total Cost | Kit                    |
|-----------------------------------|------|------|-------|-------|--------|--------|-----------|------------|------------------------|
| 2-way viewers                     |      |      |       | 0     |        |        |           |            | Litho                  |
| Animals 2x2 Poster                |      |      |       | 0     |        |        |           |            | Animals 2x2            |
| Aquarium tubing-Pks of 10 Clear   |      |      |       | 0     |        |        |           |            | Pop & Eco              |
| Arm & Leg muscle transparencies   |      |      |       | 0     |        |        |           |            | Human Body             |
| Basin lids                        |      |      |       | 0     |        |        |           |            | Animals 2x2            |
| Basins 6-liter                    |      |      |       | 0     |        |        |           |            | Animals 2x2, W&P       |
| Bucket - 2 Qt                     |      |      |       | 0     |        |        |           |            | Animal Studies         |
| Bucket - 3 Qt                     |      |      |       | 0     |        |        |           |            | Animal Studies         |
| Bucket lids                       |      |      |       | 0     |        |        |           |            | Animal Studies         |
| Chicken bones - 16/set            |      |      |       | 0     |        |        |           |            | Human Body             |
| Circle templates - 10/pack        |      |      |       | 0     |        |        |           |            | Motion & Design        |
| Clear Plastic 6" Rulers           |      |      |       | 0     |        |        |           |            | Pop & Eco              |
| Cotton-Polyester fabric           |      |      |       | 0     |        |        |           |            | K-Weather              |
| Date stamps                       |      |      |       | 0     |        |        |           |            | K-Weather              |
| Delta Science Readers             |      |      |       | 0     |        |        |           |            | Litho                  |
| Disk, plastic Lg-Red pk/150       |      |      |       | 0     |        |        |           |            | Balance & Motion       |
| Disk, plastic sm-yellow pk/150    |      |      |       | 0     |        |        |           |            | Balance & Motion       |
| Dowels long                       |      |      |       | 0     |        |        |           |            | Human Body             |
| Dowels short                      |      |      |       | 0     |        |        |           |            | Human Body             |
| Dowels, Rings, Stands-set/Pop&Eco |      |      |       | 0     |        |        |           |            | Pop & Eco              |
| DPS guide - 5th Weather           |      |      |       | 0     |        |        |           |            | 5th Weather            |
| DPS guide - Animal Studies        |      |      |       | 0     |        |        |           |            | Animal Studies         |
| DPS guide - Human Body            |      |      |       | 0     |        |        |           |            | Human Body             |
| DPS guide - Landforms             |      |      |       | 0     |        |        |           |            | Landforms              |
| DPS guide - Rocks & Minerals      |      |      |       | 0     |        |        |           |            | Rocks & Minerals       |
| DPS guide - Soils                 |      |      |       | 0     |        |        |           |            | Soils                  |
| DPS guide- Changes                |      |      |       | 0     |        |        |           |            | Changes                |
| DPS guide- Earth, Moon & Sun      |      |      |       | 0     |        |        |           |            | Earth, Moon & Sun      |
| DPS Guide-Ecosystems              |      |      |       | 0     |        |        |           |            | Ecosystems             |
| DPS Guide-Elec. And Mag.          |      |      |       | 0     |        |        |           |            | Electricity            |
| Ecoscenario Card Sets             |      |      |       | 0     |        |        |           |            | Pop & Eco              |
| Extension cord - 25'              |      |      |       | 0     |        |        |           |            | Earth, Moon & Sun      |
| Flashlights                       |      |      |       | 0     |        |        |           |            | Animal Studies         |
| Forceps 32/pack                   |      |      |       | 0     |        |        |           |            | Food Chemistry         |
| FOSS guide - Human Body           |      |      |       | 0     |        |        |           |            | Human Body             |
| FOSS guide - Landforms            |      |      |       | 0     |        |        |           |            | Landforms              |
| FOSS guide - Pop & Eco            |      |      |       | 0     |        |        |           |            | Pop & Eco              |
| FOSS Guide-Animals 2x2            |      |      |       | 0     |        |        |           |            | Animals 2x2            |
| FOSS Guide-Pebbles, Sand and Silt |      |      |       | 0     |        |        |           |            | Pebbles, Sand and Silt |
| FOSS Guide-Wood and Paper         |      |      |       | 0     |        |        |           |            | Wood & Paper           |
| Hinge                             |      |      |       | 0     |        |        |           |            | Human Body             |

| Item                              | Code | SERC | Bacon | Total | Vendor | Item # | Unit Cost | Total Cost | Kit                     |
|-----------------------------------|------|------|-------|-------|--------|--------|-----------|------------|-------------------------|
| Human Skeleton poster             |      |      |       | 0     |        |        |           |            | Human Body              |
| Mineral Set                       |      |      |       | 0     |        |        |           |            | Rocks & Minerals        |
| Measuring Spoons-1/4 teaspoon     |      |      |       | 0     |        |        |           |            | Pop & Eco               |
| Mono Lake Card sets               |      |      |       | 0     |        |        |           |            | Pop & Eco               |
| Motors                            |      |      |       | 0     |        |        |           |            | Electricity             |
| Mounted light source              |      |      |       | 0     |        |        |           |            | Earth, Moon & Sun       |
| Mounting Board w/ stick           |      |      |       | 0     |        |        |           |            | Earth, Moon & Sun       |
| Particle board-bags of 36         |      |      |       | 0     |        |        |           |            | Wood & Paper            |
| Photos, small Mt. Shasta          |      |      |       | 0     |        |        |           |            | Landforms               |
| Pine-bags of 36                   |      |      |       | 0     |        |        |           |            | Wood & Paper            |
| Plexiglass sheet                  |      |      |       | 0     |        |        |           |            | Electricity             |
| Plywood-bags of 36                |      |      |       | 0     |        |        |           |            | Wood & Paper            |
| Pointed Dowels                    |      |      |       | 0     |        |        |           |            | Pop & Eco               |
| Poster, Mt. Shasta                |      |      |       | 0     |        |        |           |            | Landforms               |
| Poster, safety - 3rd grade        |      |      |       | 0     |        |        |           |            | Human Body              |
| Poster, safety - 5th grade        |      |      |       | 0     |        |        |           |            | Landforms               |
| Posters, Arm and hand             |      |      |       | 0     |        |        |           |            | Human Body              |
| Posters, Human skull              |      |      |       | 0     |        |        |           |            | Human Body              |
| Posters, Human torso              |      |      |       | 0     |        |        |           |            | Human Body              |
| Posters, Leg and foot             |      |      |       | 0     |        |        |           |            | Human Body              |
| Rat bones - 16/set                |      |      |       | 0     |        |        |           |            | Human Body              |
| Redwood-bags of 36                |      |      |       | 0     |        |        |           |            | Wood & Paper            |
| Rock Set                          |      |      |       | 0     |        |        |           |            | Rocks & Minerals        |
| Rubber Mallets                    |      |      |       | 0     |        |        |           |            | Sound                   |
| Sand blocks - pair                |      |      |       | 0     |        |        |           |            | Sound                   |
| Spray Bottles                     |      |      |       | 0     |        |        |           |            | Pop & Eco, An.St.,Org.  |
| STC Guide-Ecosystems              |      |      |       | 0     |        |        |           |            | Ecosystems              |
| STC guide- Changes                |      |      |       | 0     |        |        |           |            | Changes                 |
| STC guide- Plants                 |      |      |       | 0     |        |        |           |            | Plants                  |
| STC guide- Solids & Liquids       |      |      |       | 0     |        |        |           |            | Solids & Liquids        |
| STC Guide-Comparing and Measuring |      |      |       | 0     |        |        |           |            | Comparing and Measuring |
| STC Guide-K Weather               |      |      |       | 0     |        |        |           |            | K-Weather               |
| STC Guide-Organisms               |      |      |       | 0     |        |        |           |            | Organisms               |
| STC Guide-Solids and Liquids      |      |      |       | 0     |        |        |           |            | Solids & Liquids        |
| STC-Sound                         |      |      |       | 0     |        |        |           |            | Sound                   |
| Stopwatches                       |      |      |       | 0     |        |        |           |            | Motion,Energy,Space     |
| Student books - 5th Weather       |      |      |       | 0     |        |        |           |            | 5th Weather             |
| Student books - Animal Studies    |      |      |       | 0     |        |        |           |            | Animal Studies          |
| Student Books-Ecosystems          |      |      |       | 0     |        |        |           |            | Ecosystems              |
| Student books - Earth, Moon & Sun |      |      |       | 0     |        |        |           |            | Earth, Moon & Sun       |
| Student books - Food Chemistry    |      |      |       | 0     |        |        |           |            | Food Chemistry          |
| Student books - Motion & Design   |      |      |       | 0     |        |        |           |            | Motion & Design         |
| Student books - Plants            |      |      |       | 0     |        |        |           |            | Plants                  |

| Item                                | Code | SERC | Bacon | Total | Vendor | Item # | Unit Cost | Total Cost | Kit               |
|-------------------------------------|------|------|-------|-------|--------|--------|-----------|------------|-------------------|
| Student books - Rocks & Minerals    |      |      |       | 0     |        |        |           |            | Rocks & Minerals  |
| Styrofoam balls - 3"                |      |      |       | 0     |        |        |           |            | Earth, Moon & Sun |
| Teachers Notebook                   |      |      |       | 0     |        |        |           |            | Energy            |
| TRACS guide - 5th Weather           |      |      |       | 0     |        |        |           |            | 5th Weather       |
| TRACS guide - Earth, Moon & Sun     |      |      |       | 0     |        |        |           |            | Earth, Moon & Sun |
| Transparency Packages               |      |      |       | 0     |        |        |           |            | Pop & Eco         |
| Transparency, overlay grid, 18/pack |      |      |       | 0     |        |        |           |            | Landforms         |
| Tubing - glass 5/pack               |      |      |       | 0     |        |        |           |            | 5th Weather       |
| Vials w/caps                        |      |      |       | 0     |        |        |           |            | PSS, Pop & Eco    |
| Weather stamps-K/sets               |      |      |       | 0     |        |        |           |            | K, 2nd-Weather    |
| Wool fabric                         |      |      |       | 0     |        |        |           |            | K-Weather         |

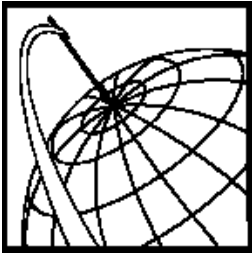
| Item                                | Code | SERC | Bacon | Total | Vendor        | Item # | Unit Cost | Total Cost | Kit               |
|-------------------------------------|------|------|-------|-------|---------------|--------|-----------|------------|-------------------|
| Adhesive dots-assorted colors       | 0    |      |       | 0     | Office Supply |        |           | \$0.00     | Motion and Design |
| Brass paper fasteners size 2R # box | 0    |      |       | 0     | Office Supply |        | \$2.390   | \$282.02   |                   |
| Cardstock-white 8.5x11 67# pk/250   | 0    |      |       | 0     | Office Supply |        |           | \$0.00     |                   |
| Chalk-low dust                      | 0    |      |       | 0     | Office Supply |        | \$0.790   | \$158.00   |                   |
| Crayons(boxes of 96 ct Crayola)     | 0    |      |       | 0     | Office Supply |        |           |            | Litho             |
| Graph paper-8.5x11 pk/50            | 0    |      |       | 0     | Office Supply |        |           | \$0.00     |                   |
| Graph paper-large sheet pk/100      | 0    |      |       | 0     | Office Supply |        |           | \$0.00     |                   |
| Index cards-3x5 pk/100              | 0    |      |       | 0     | Office Supply |        | \$0.600   | \$117.00   |                   |
| Index cards-4x6 pk/100              | 0    |      |       | 0     | Office Supply |        | \$1.000   | \$14.00    |                   |
| Manila folders                      | 0    |      |       | 0     | Office Supply |        |           | \$0.00     |                   |
| Paper clips-regular 100/box         | 0    |      |       | 0     | Office Supply |        | \$0.400   | \$67.60    |                   |
| Pencils                             | 0    |      |       | 0     | Office Supply |        | \$0.067   | \$106.13   |                   |
| Permanent marker-black pk/12        | 0    |      |       | 0     | Office Supply |        | \$0.670   | \$109.21   |                   |
| Post-it notes-2x2                   | 0    |      |       | 0     | Office Supply |        |           | \$0.00     |                   |
| Post-it notes-3x5                   | 0    |      |       | 0     | Office Supply |        |           | \$0.00     |                   |
| Rubber bands-#16 pk/2500            | 0    |      |       | 0     | Office Supply |        | \$6.990   | \$27.96    |                   |
| Rubber bands-#64 pk/440             | 0    |      |       | 0     | Office Supply |        | \$6.990   | \$13.98    |                   |
| Rubber bands-#8 pk/1250             | 0    |      |       | 0     | Office Supply |        | \$2.990   | \$5.98     | Wood and Paper    |
| Tape-clear                          | 0    |      |       | 0     | Office Supply |        |           | \$0.00     |                   |
| Tape-duct                           | 0    |      |       | 0     | Office Supply |        |           | \$0.00     |                   |
| Tape-masking                        | 0    |      |       | 0     | Office Supply |        |           | \$0.00     |                   |
| Tape-packing clear                  | 0    |      |       | 0     | Office Supply |        |           | \$0.00     |                   |
| Tape-removable clear                | 0    |      |       | 0     | Office Supply |        |           | \$0.00     |                   |
| Weather calanders/ desk calendar    | 0    |      |       | 0     | Office Supply |        |           | \$0.00     |                   |

| Item                                  | Code | SERC | Bacon | Total | Vendor                 | Item #    | Unit Cost | Total Cost | Kit                     |
|---------------------------------------|------|------|-------|-------|------------------------|-----------|-----------|------------|-------------------------|
| Adding machine paper-pink             | C    |      |       | 0     | POS supply solutions   |           | \$0.700   | \$105.00   | Comparing and Measuring |
| Adding machine paper-white            | C    |      |       | 0     | POS supply solutions   |           | \$0.600   | \$34.20    |                         |
| Adding machine paper-yellow           | C    |      |       | 0     | POS supply solutions   |           | \$0.700   | \$105.00   | Comparing and Measuring |
| Basswood-for sanding pk/36            | C    |      |       | 0     | Delta Education        | 230-3509  | \$12.200  | \$48.80    | Wood and Paper          |
| Batteries-AAA                         | C    |      |       | 0     | Battery Warehouse      |           | \$0.410   | \$82.00    |                         |
| Batteries-D                           | C    |      |       | 0     | Battery Warehouse      |           | \$0.940   | \$470.00   |                         |
| Brine Shrimp                          | C    |      |       | 0     | Carolina Biological    | 972414    | \$4.950   | \$103.95   | Animal Studies          |
| Brown kraft paper-sample pieces pk/75 | C    |      |       | 0     | Delta Education        | 162-0560  | \$4.400   | \$35.20    | Wood and Paper          |
| Clay-8lb bucket                       | C    |      |       | 0     | Carolina Biological    | 971610    | \$7.950   | \$79.50    | Soils                   |
| Clay-ceramic                          | C    |      |       | 0     | Delta Education        | 031-9440  | \$7.800   | \$39.00    | Pebbles Sand and Silt   |
| Clay-modeling price per stick         | C    |      |       | 0     | Discount School Supply |           | \$0.500   | \$25.00    |                         |
| Clay-powdered                         | C    |      |       | 0     | Delta Education        | 032-3168  | \$1.300   | \$62.40    |                         |
| Construction paper-assorted colors    | C    |      |       | 0     | Discount School Supply | 8WW9CPAS  | \$0.950   | \$22.80    | Lithosperes             |
| Construction paper-black pk/50        | C    |      |       | 0     | Discount School Supply | 8WW9CPBK  | \$0.950   | \$35.15    |                         |
| Construction paper-bright blue pk/50  | C    |      |       | 0     | Discount School Supply | 8WW9CPBL  | \$0.950   | \$22.80    |                         |
| Construction paper-sky blue pk/50     | C    |      |       | 0     | Discount School Supply | 8WW9CPSB  | \$0.950   | \$33.25    |                         |
| Construction paper-white pk/50        | C    |      |       | 0     | Discount School Supply | 8WW9CPWH  | \$0.950   | \$62.70    |                         |
| Construction paper-white 12x18 pk/50  | C    |      |       | 0     | Discount School Supply | 8WW12CPWH | \$1.890   | \$45.36    |                         |
| Construction paper-yellow pk/50       | C    |      |       | 0     | Discount School Supply | 8WW9CPYE  | \$0.950   | \$16.15    |                         |
| Continent shapes-vinyl                | C    |      |       | 0     | Delta Education        | 192-0412  | \$2.800   | \$280.00   | Lithosperes             |
| Copper sulfate squares pk/3           | C    |      |       | 0     | Carolina Biological    | 971943    | \$2.250   | \$45.00    | Plants                  |
| Corrugated paper-sample pieces pk/75  | C    |      |       | 0     | Delta Education        | 162-0550  | \$14.500  | \$145.00   | Wood and Paper          |
| Craft sticks-wooden pk/1000           | C    |      |       | 0     |                        |           |           | \$0.00     |                         |
| Crayons-assorted color pack           | C    |      |       | 0     | Carolina Biological    | 971416    | \$1.950   | \$19.50    | Solids and Liquids      |
| Crayons-black pk/32                   | C    |      |       | 0     | Carolina Biological    | 971405    | \$2.950   | \$11.80    | Solids and Liquids      |
| Cups-(1oz, lids, Kimwipes) pk/30      | C    |      |       | 0     | Carolina Biological    | 971514    | \$6.950   | \$69.50    | Cycles                  |
| Cups-1 oz. plastic                    | C    |      |       | 0     | Not Just Paper         |           | \$0.014   | \$108.38   |                         |
| Cups-10 oz. plastic 1000/case         | C    |      |       | 0     | Cup Depot              |           | \$0.078   | \$390.00   |                         |
| Cups-7 oz. plastic 1000/case          | C    |      |       | 0     | Not Just Paper         |           | \$0.023   | \$22.50    |                         |
| Cups-9 oz. plastic 1000/case          | C    |      |       | 0     | Cup Depot              |           | \$0.072   | \$648.00   |                         |
| Dropper bottles pk/48                 | C    |      |       | 0     | Carolina Biological    | 972913    | \$13.950  | \$195.30   | Food Chemistry          |
| Fertilizer pellets-2oz.               | C    |      |       | 0     | Carolina Biological    | 971929    | \$4.950   | \$34.65    | Plants                  |
| Gloves-disposable pk/100              | C    |      |       | 0     | Carolina Biological    | 971172    | \$1.950   | \$253.50   |                         |
| Glue-white                            | C    |      |       | 0     | Discount School Supply |           | \$6.990   | \$55.92    |                         |
| Gravel-mixed 5lb                      | C    |      |       | 0     | Delta Education        | 070-7057  | \$2.100   | \$23.10    | Pebbles Sand and Silt   |
| Gravel-price per lb. (5lb bags)       | C    |      |       | 0     | Carolina Biological    | 97-1157   | \$0.665   | \$1,496.25 |                         |
| Honeybees-dried                       | C    |      |       | 0     | Carolina Biological    | 971919    | \$4.950   | \$89.10    | Plants                  |
| Humus                                 | C    |      |       | 0     | Carolina Biological    | 971612    | \$8.950   | \$223.75   |                         |
| Labels-blank??                        | C    |      |       | 0     |                        |           |           | \$0.00     |                         |
| Lids-10 oz. 1000/case                 | C    |      |       | 0     | Cup Depot              |           | \$0.036   | \$36.00    |                         |
| Lids-9 oz. 1000/case Dart/Karat       | C    |      |       | 0     | Not Just Paper         |           | \$0.055   | \$55.00    |                         |
| Living Materials Order Form           | C    |      |       | 0     | Carolina Biological    | 971500    | \$74.000  | \$1,332.00 | Cycles                  |
| Living Materials Order Form           | C    |      |       | 0     | Carolina Biological    | 971100    | \$176.950 | \$884.75   | Organisms               |

| Item                            | Code | SERC | Bacon | Total | Vendor              | Item #       | Unit Cost | Total Cost | Kit                   |
|---------------------------------|------|------|-------|-------|---------------------|--------------|-----------|------------|-----------------------|
| Living Materials Order Form     | C    |      |       | 0     | Carolina Biological | 972400       | \$193.500 | \$2,709.00 | Animal Studies        |
| Living Materials Order Form     | C    |      |       | 0     | Carolina Biological | 972800       | \$129.950 | \$2,079.20 | Ecosystems            |
| Living Materials Order Form     | C    |      |       | 0     | Carolina Biological | L847 & L624E |           | \$0.00     | Pop and Eco           |
| Netting-23x150cm                | C    |      |       | 0     | Delta Education     | 140-1399     | \$5.700   | \$17.10    | Pop and Eco           |
| Newsprint-sample pieces pk/75   | C    |      |       | 0     | Delta Education     | 162-0571     | \$1.900   | \$19.00    | Wood and Paper        |
| Paper bags-brown                | C    |      |       | 0     | Not Just Paper      |              | \$0.030   | \$12.00    |                       |
| Paper trays pk/15               | C    |      |       | 0     | Carolina Biological | 971607       | \$4.950   | \$49.50    |                       |
| Pebbles-large                   | C    |      |       | 0     | Delta Education     | 160-9167     | \$1.900   | \$38.00    | Pebbles Sand and Silt |
| Pebbles-small                   | C    |      |       | 0     | Delta Education     | 161-2016     | \$1.500   | \$18.00    | Pebbles Sand and Silt |
| Plankton                        | C    |      |       | 0     | Carolina Biological | 972438       | \$10.950  | \$251.85   | Animal Studies        |
| Planter labels pk/36            | C    |      |       | 0     | Carolina Biological | 973133       | \$3.950   | \$138.25   |                       |
| Planter rings pk/34             | C    |      |       | 0     | Carolina Biological | 971141       | \$3.950   | \$7.90     |                       |
| Sandpaper-50 grit pk/5          | C    |      |       | 0     | Delta Education     | 192-3712     | \$3.900   | \$46.80    | Wood and Paper        |
| Sand-unwashed                   | C    |      |       | 0     | Delta Education     | 192-0775     | \$2.200   | \$39.60    | Pebbles Sand and Silt |
| Sawdust 1lb bag                 | C    |      |       | 0     | Delta Education     | 191-7112     | \$0.800   | \$8.00     | Wood and Paper        |
| Seeds-alfalfa                   | C    |      |       | 0     | Carolina Biological | 972836       | \$0.950   | \$16.15    | Ecosystems            |
| Seeds-cucumber                  | C    |      |       | 0     | Carolina Biological | 971637       | \$1.950   | \$31.20    | Soils                 |
| Seeds-lima bean                 | C    |      |       | 0     | Carolina Biological | 971907       | \$2.950   | \$70.80    | Plants                |
| Seeds-marvel peas               | C    |      |       | 0     | Carolina Biological | 971112       | \$0.950   | \$12.35    | Organisms             |
| Seeds-mustard                   | C    |      |       | 0     | Carolina Biological | 972838       | \$0.950   | \$16.15    | Ecosystems            |
| Seeds-pumpkin                   | C    |      |       | 0     | Carolina Biological | 971116       | \$2.950   | \$38.35    | Organisms             |
| Seeds-red kidney beans          | C    |      |       | 0     | Carolina Biological | 971114       | \$1.500   | \$19.50    | Organisms             |
| Seeds-sunflower                 | C    |      |       | 0     | Carolina Biological | 971119       | \$0.950   | \$12.35    | Organisms             |
| Seeds-Wisconsin fast plants     | C    |      |       | 0     | Carolina Biological | 971927       | \$25.750  | \$643.75   | Plants                |
| Shavings-wood 1lb bag           | C    |      |       | 0     | Delta Education     | 230-3553     | \$0.500   | \$5.00     | Wood and Paper        |
| Soil-potting                    | C    |      |       | 0     | Delta Education     | 191-3559     | \$2.500   | \$570.00   |                       |
| Soil-seed starter               | C    |      |       | 0     | Carolina Biological | 971128       | \$11.950  | \$179.25   | Organisms             |
| Spoons-plastic case/1000        | C    |      |       | 0     | Not Just Paper      |              | \$13.750  | \$27.50    |                       |
| Straws-jumbo box/250            | C    |      |       | 0     | Not Just Paper      |              | \$1.400   | \$8.40     |                       |
| String-thin ball                | C    |      |       | 0     | Delta Education     | 1919-4582    | \$2.300   | \$29.90    |                       |
| Tagboard-sample pieces pk/75    | C    |      |       | 0     | Delta Education     | 200-7422     | \$2.500   | \$25.00    | Wood and Paper        |
| Tap water conditioner           | C    |      |       | 0     | Carolina Biological | 971160       | \$4.950   | \$173.25   |                       |
| Test strips-glucose Pk/100      | C    |      |       | 0     | Carolina Biological | 972926       | \$23.950  | \$1,197.50 | Food Chemistry        |
| Test strips-protein pk/500      | C    |      |       | 0     | Carolina Biological | 972927       | \$18.950  | \$341.10   | Food Chemistry        |
| Thin wood pieces-200            | C    |      |       | 0     | Delta Education     | 230-3487     | \$6.700   | \$80.40    | Wood and Paper        |
| Tubes w/ caps pk/75             | C    |      |       | 0     | Carolina Biological | 971635A      | \$19.950  | \$299.25   | Soils                 |
| Wicks                           | C    |      |       | 0     | Carolina Biological | 971941       | \$5.950   | \$119.00   | Plants                |
| Wooden stakes pk/34             | C    |      |       | 0     | Carolina Biological | 971139       | \$1.950   | \$31.20    | Organisms             |
| Wooden stirrers pk/30 rectangle | C    |      |       | 0     | Carolina Biological |              |           | \$0.00     |                       |
| Wooden stirrers pk/250 round    | C    |      |       | 0     | Carolina Biological | 971319       | \$1.950   | \$68.25    |                       |
| Ziptop plastic bags-12x15 pk/10 | C    |      |       | 0     | Carolina Biological | 972905       | \$2.950   | \$85.55    | Food Chemistry        |
| Ziptop plastic bags-8x10 pk/50  | C    |      |       | 0     | Carolina Biological | 972947       | \$5.950   | \$41.65    | Food Chemistry        |

| Item                                    | Code | SERC | Bacon | Total | Vendor         | Item # | Unit Cost | Total Cost | Kit            |
|-----------------------------------------|------|------|-------|-------|----------------|--------|-----------|------------|----------------|
| Bags-Snack Size-boxes of 200            | R    |      |       |       | Grocery        |        |           |            | Litho          |
| Baking Soda                             | R    |      |       |       | Grocery        |        |           |            | Energy         |
| Balloons-pks of blue and yellow 8 ea    | R    |      |       |       | Party City     |        |           |            | Space          |
| Cable Ties/Black and White (each color) | R    |      |       |       | Lowes          |        |           |            | General        |
| Candles-plain white votives             | R    |      |       |       | NJP,Party City |        |           |            | Energy         |
| Cheerios-Plain Box                      | R    |      |       |       | Grocery        |        |           |            | Space          |
| Cocoa                                   | R    |      |       |       | Grocery        |        |           |            | Space          |
| Coffee filters-cone #2 pk/40            | R    |      |       |       | Grocery        |        | \$1.100   | \$39.60    | Soils          |
| Coffee filters-cone #4 pk/40            | R    |      |       |       | Grocery        |        | \$1.100   | \$29.70    |                |
| Corn starch 16oz.                       | R    |      |       |       | Grocery        |        | \$1.300   | \$6.50     |                |
| Corn syrup-light 16oz.                  | R    |      |       |       | Grocery        |        | \$2.630   | \$86.79    |                |
| Dried apples                            | R    |      |       |       | Grocery        |        | \$3.290   | \$125.02   | Food Chemistry |
| Egg whites-powdered 3oz.                | R    |      |       |       | Grocery        |        | \$6.990   | \$125.82   | Food Chemistry |
| Flour 2lb                               | R    |      |       |       | Grocery        |        | \$1.290   | \$12.90    |                |
| Food coloring 4 color set               | R    |      |       |       | Grocery        |        |           | \$0.00     |                |
| Granola bars 2 bar/pk                   | R    |      |       |       | Grocery        |        | \$0.400   | \$35.20    | Food Chemistry |
| Marshmallows-miniature                  | R    |      |       |       | Grocery        |        | \$0.890   | \$18.69    | Food Chemistry |
| Matches-Larger size, strike on box kind | R    |      |       |       | Grocery        |        |           |            |                |
| Oil-Corn 48oz.                          | R    |      |       |       | Grocery        |        | \$3.480   | \$69.60    |                |
| Oil-vegetable 32oz.                     | R    |      |       |       | Grocery        |        | \$2.490   | \$37.35    |                |
| Onion-freeze dried                      | R    |      |       |       | Grocery        |        | \$1.900   | \$32.30    | Food Chemistry |
| Peppercorn-whole 2oz                    | R    |      |       |       | Grocery        |        | \$1.900   | \$7.60     | Space          |
| Pepper-ground                           | R    |      |       |       | Grocery        |        | \$0.990   | \$9.90     |                |
| Petroleum Jelly-tubes                   | R    |      |       |       | Grocery        |        |           |            | Energy         |
| Rice-white bags                         | R    |      |       |       | Grocery        |        | \$0.610   | \$23.18    | Food Chemistry |
| Salt-kosher 16oz.                       | R    |      |       |       | Grocery        |        | \$1.090   | \$6.54     |                |
| Salt-table                              | R    |      |       |       | Grocery        |        | \$0.590   | \$7.08     |                |
| Split pea bag                           | R    |      |       |       | Grocery        |        | \$1.290   | \$1.29     | Space          |
| Sugar-granulated 2.5lb                  | R    |      |       |       | Grocery        |        | \$1.890   | \$18.90    |                |
| Sugar-packets pk/100                    | R    |      |       |       | Grocery        |        | \$3.600   | \$3.60     |                |
| Vinegar-white                           | R    |      |       |       | Grocery        |        | \$1.070   | \$31.03    |                |
| Yeast                                   | R    |      |       |       | Grocery        |        | \$7.140   | \$71.40    | Changes        |
| Sand-play price per lb. (50 lb bags)    | R    |      |       |       | Lowes          |        | \$0.074   | \$136.90   |                |
| Alka-Seltzer per tablet                 | R    |      |       |       | Walmart        |        | \$0.070   | \$102.06   | Changes        |
| Aluminum foil 75ft/roll                 | R    |      |       |       | Walmart        |        | \$2.840   | \$113.60   |                |
| Cotton swabs pk/500                     | R    |      |       |       | Walmart        |        | \$1.940   | \$1.94     |                |
| Crochet thread-roll                     | R    |      |       |       | Walmart        |        | \$1.970   | \$23.64    | 2nd Weather    |
| Fish Food                               | R    |      |       |       | Walmart        |        |           | \$0.00     |                |
| Glycerin                                | R    |      |       |       | Walmart        |        | \$3.120   | \$28.08    | 5th Weather    |
| Iodine                                  | R    |      |       |       | Walmart        |        | \$6.240   | \$93.60    |                |
| Light bulbs-60W                         | R    |      |       |       | Walmart        |        | \$0.250   | \$3.75     |                |
| Napkins                                 | R    |      |       |       | Walmart        |        | \$0.010   | \$14.40    |                |
| Paper towels                            | R    |      |       |       | Walmart        |        | \$0.890   | \$2.67     |                |

| Item                         | Code | SERC | Bacon | Total | Vendor  | Item # | Unit Cost | Total Cost | Kit                |
|------------------------------|------|------|-------|-------|---------|--------|-----------|------------|--------------------|
| Pins-straight pk/100?        | R    |      |       |       | Walmart |        | \$1.280   | \$15.36    |                    |
| Plastic wrap 200ft roll      | R    |      |       |       | Walmart |        | \$1.470   | \$27.93    |                    |
| Plates-paper pk/100          | R    |      |       |       | Walmart |        | \$2.400   | \$48.00    |                    |
| Rubbing alcohol 16oz.        | R    |      |       |       | Walmart |        | \$1.060   | \$36.04    |                    |
| Sandwich bag-foldover pk/150 | R    |      |       |       | Walmart |        | \$1.300   | \$2.60     | Sound              |
| Shampoo-green                | R    |      |       |       | Walmart |        | \$1.070   | \$8.56     | Solids and Liquids |
| Shampoo-red                  | R    |      |       |       | Walmart |        | \$1.070   | \$10.70    | Solids and Liquids |
| Sponges                      | R    |      |       |       | Walmart |        |           | \$0.00     |                    |
| Toothpicks-flat              | R    |      |       |       | Walmart |        |           | \$0.00     |                    |
| Toothpicks-round             | R    |      |       |       | Walmart |        |           | \$0.00     |                    |
| Trashbags-black, rolls       | R    |      |       |       | Walmart |        |           |            | Energy             |
| Wax paper                    | R    |      |       |       | Walmart |        | \$1.990   | \$83.58    |                    |



Date: September 12, 2011

**Durham Public Schools  
Instructional Services Committee  
PRECIS**

**Subject:** North Carolina School Boards Association 2011 Delegates

**Staff Liaison Present:** Dr. Lewis Ferebee

**Phone #:** 560-3874

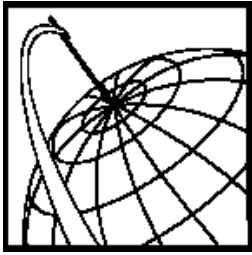
**Main Points:**

- Staff will lead a discussion with the Board on the process for identifying voting delegates for North Carolina School Boards Association.
- Administration is presenting this agenda item for information and discussion.

**Fiscal/Goal Implications:**

- These efforts are supported through federal, state, and local funds.

|                        |                                     |
|------------------------|-------------------------------------|
| <b>Recommendation:</b> |                                     |
| Information            | <input checked="" type="checkbox"/> |
| Discussion             | <input checked="" type="checkbox"/> |
| Action                 | <input type="checkbox"/>            |
| Consent                | <input type="checkbox"/>            |



Date: September 12, 2011

**Durham Public Schools  
Instructional Services Committee  
PRECIS**

**Subject:** English as Second Language (ESL) Update

**Staff Liaison Present**

Dr. Julie Spencer  
Sashi Rayasam

**Phone #:** 560-2309  
560-3783

**Main Points:**

- Administration will provide an overview of the district's English as a Second Language (ESL) program, as well as new initiatives for the 2011-2012 school year.
- Staff will provide an update on the new district standards for communicating with English Language Learner (ELL) families and the ESL Resource Center.
- Administration is presenting this item for information and discussion.

**Fiscal/Goal Implications:**

- These efforts are supported through federal, state, and local funds.

|                        |                                     |
|------------------------|-------------------------------------|
| <b>Recommendation:</b> |                                     |
| Information            | <input checked="" type="checkbox"/> |
| Discussion             | <input checked="" type="checkbox"/> |
| Action                 | <input type="checkbox"/>            |
| Consent                | <input type="checkbox"/>            |

# **English As A Second Language (ESL) Update**

**Instructional Services Committee  
September 12, 2011**

**Julie Spencer**  
Area Superintendent

**Sashi Rayasam**  
ESL Director, K-12

## Strategic Plan Alignment

### Academic Indicator Targets

- Achievement Gap fewer than 5 percentage points
  - Reading (3<sup>rd</sup>, 5<sup>th</sup>, and 8<sup>th</sup> grades)
  - Math (3<sup>rd</sup>, 5<sup>th</sup>, and 8<sup>th</sup> grades)
  - Algebra I
- 80% of English Language Learners scale score increase reflects high growth



## Strategic Plan Alignment

### Goal I.2 (multiple strategies)

- DPS will expand opportunities for academic acceleration to eliminate achievement gaps and ensure annual student growth as measured by district, state, and local assessments (i.e., extended learning model, Response to Intervention (Rtl) System, professional development to support English Language Learners).
- Goal II.4/Strategy 1 – Increase communications to Spanish-speaking families by partnering with LaMega Radio, El Centro Hispano, the City of Durham Human Relations Department and other relevant media outlets.





## Student Achievement LEP Performance

| Grade                   | 2009-2010 | 2010 -2011 |
|-------------------------|-----------|------------|
| 3 <sup>rd</sup> Reading | 38.4%     | 41.7%      |
| 4 <sup>th</sup> Reading | 32.7%     | 39.5%      |
| 5 <sup>th</sup> Reading | 32.6%     | 29.4%      |
| 6 <sup>th</sup> Reading | 25.6%     | 31.7%      |
| 7 <sup>th</sup> Reading | 25.2%     | 18.8%      |
| 8 <sup>th</sup> Reading | 20.2%     | 25.1%      |
| English I               | 43.7%     | 38.0%      |
| Algebra I               | 45.5%     | 43.1%      |
| Biology                 | 45.3%     | 24.5%      |



## English As a Second Language (ESL) Programming

- ESL Teachers – 1:50 Teacher to Limited English Proficient (LEP) Student Ratio
- ESL Classes/Service Delivery
  - Sheltered Instruction
    - English/Language Arts classes by ESL teacher
    - Literacy classes by ESL teacher
    - Specific Content Area by licensed content teacher
  - Co-teaching - ESL Teacher and content area teacher
  - Consultation – ESL Teacher consults with content area teachers
  - Newcomers Classes – ESL Teacher provides instruction for LEP students in their first two years in the United States



## Professional Development

- English As a Second Language (ESL) Licensure
- Sheltered Instruction Observation Protocol Training (SIOP)
- District Communication Standards and Processes
- Assessment for Learning
- Professional Learning Communities (PLCs) – school and district
- Understanding ACCESS data (a DPI mandated language assessment)
- Work with Pre-K teachers on working with linguistically diverse students and families



## English As a Second Language (ESL)

### Focus Efforts

- Dropout Prevention Plan to address high Latino dropout rate
- Implement Academic Literacy curriculum for middle and high school students
- Increase number of teachers with ESL license and/or Sheltered Instruction Observation Protocol (SIOP) training
- Increase parent involvement and partnerships to support ESL programs
- Partner with Communities in Schools (CIS) for Strengthening Families Program at Lowes Grove and Githens
- Expand the implementation of Sheltered Literacy Blocks in elementary schools

## ESL Resource Center

- Provides support to DPS staff and families
  - Translating school and district documents
  - Interpreting phone messages, DPS meetings, and parent/teacher conferences
- Community Liaisons (Interpreters/Translators) are assigned to each school
- Student Enrollment and Registration



## Communication Standards for English Language Learner(ELL) Families

- ESL Resource Center information is distributed and available
- Information that goes out to all students in a school will be bilingual, including ConnectED phone calls to all students, as well as school newsletters and handbooks (For example, a welcome letter from the principal to all students will be bilingual.)

## Communication Standards for English Language Learner(ELL) Families

- Parent-teacher conferences will be in the parent's preferred language.
- Official school documents, such as Individual Education Plan documents, Personal Education Plans, and report cards will be provided in the preferred language.
- All discipline notices that include a suspension should be provided in the preferred language.



## New Communication Efforts

- New Spanish webpage on the DPS website
- Channel 4 programming in Spanish
- Expanded partnership with La Mega and El Centro
- All DPS Board Policies translated into Spanish



## New Communication Efforts

- Develop school-specific communication plans
- Bilingual Welcome Letter and Parent Assistance Request at all schools
- Community ESL Parent Night to share communication services

**Durham Public Schools  
Limited English Proficiency (LEP) Students**

**ELEMENTARY SCHOOL**

| <b>School #</b> | <b>School Name</b>         | <b>2008-2009</b> | <b>2009-2010</b> | <b>2010-2011</b> |
|-----------------|----------------------------|------------------|------------------|------------------|
| 304             | Bethesda Elementary        | 174              | 188              | 183              |
| 308             | Burton Elementary          | 108              | 116              | 115              |
| 310             | Eastway Elementary         | 218              | 187              | 173              |
| 313             | Easley Elementary          | 28               | 27               | 26               |
| 315             | Eno Valley Elem            | 65               | 59               | 60               |
| 318             | Club Blvd Elementary       | 107              | 100              | 92               |
| 319             | Creekside Elementary       | 187              | 172              | 188              |
| 320             | Glenn Elementary           | 224              | 222              | 210              |
| 324             | Hillandale Elem            | 88               | 87               | 101              |
| 327             | Hope Valley Elem           | 188              | 176              | 185              |
| 328             | Holt Elementary            | 192              | 192              | 181              |
| 332             | Forest View Elementary     | 226              | 183              | 168              |
| 339             | Lakewood Elementary        | 166              | 170              | 192              |
| 340             | Little River Elementary    | 27               | 28               | 25               |
| 344             | Fayetteville St Elementary | 41               | 44               | 42               |
| 347             | George Watts Elementary    | 111              | 118              | 112              |
| 348             | Mangum Elementary          | 13               | 16               | 14               |
| 352             | Merrick-Moore Elementary   | 210              | 215              | 201              |
| 354             | Morehead Montessori        | 14               | 15               | 14               |
| 360             | Oak Grove Elementary       | 101              | 90               | 87               |
| 362             | Parkwood Elementary        | 109              | 89               | 95               |
| 363             | EK Powe Elementary         | 96               | 110              | 97               |
| 364             | Pearsontown Elementary     | 62               | 57               | 56               |
| 367             | RN Harris Elementary       | 52               | 66               | 66               |
| 372             | Southwest Elementary       | 99               | 91               | 85               |
| 374             | CC Spaulding Elementary    | 20               | 24               | 30               |
| 376             | Spring Valley Elementary   | 82               | 108              | 96               |
| 388             | WG Pearson Elementary      | 67               | 79               | 93               |
| 400             | YE Smith Elementary        | 83               | 98               | 104              |

**MIDDLE  
Proficiency**

**SCHOOL Limited English  
(LEP) Students**

| <b>School #</b> | <b>School Name</b>              | <b>2008-2009</b> | <b>2009-2010</b> | <b>2010-2011</b> |
|-----------------|---------------------------------|------------------|------------------|------------------|
| 306             | Brogden Middle                  | 117              | 115              | 75               |
| 314             | Chewning Middle                 | 100              | 94               | 90               |
| 316             | Carrington Middle               | 100              | 89               | 112              |
| 338             | James E. Shepard Middle         | 24               | 20               | 20               |
| 342             | Lakewood Montessori Middle      |                  | 0                | 8                |
| 346             | Lowe's Grove Middle             | 92               | 88               | 84               |
| 355             | Neal Middle                     | 79               | 84               | 79               |
| 366             | Sherwood Githens Middle         | 172              | 143              | 152              |
| 370             | Rogers-Herr Middle              | 70               | 62               | 51               |
| 389             | WG Pearson Magnet Middle School | 30               | 32               | 41               |
| 323             | Durham School of the Arts       | 89               | 76               | 75               |
| 336             | Hospital School                 | 0                | 2                | 0                |
| 341             | Lakeview School                 | 6                | 11               | 12               |

**HIGH SCHOOL Limited English Proficiency (LEP) Students**

| <b>School #</b> | <b>School Name</b> | <b>2008-2009</b> | <b>2009-2010</b> | <b>2010-2011</b> |
|-----------------|--------------------|------------------|------------------|------------------|
|-----------------|--------------------|------------------|------------------|------------------|

|     |                                    |     |     |     |
|-----|------------------------------------|-----|-----|-----|
| 309 | Early College HS                   | 13  | 9   | 9   |
| 312 | CE Jordan High                     | 133 | 164 | 164 |
| 325 | Hillside High                      | 77  | 83  | 76  |
| 353 | Middle College HS                  | 0   | 2   | 3   |
| 356 | Northern High                      | 59  | 75  | 96  |
| 365 | Riverside High                     | 145 | 150 | 155 |
| 368 | Southern High                      | 114 | 109 | 109 |
| 701 | Hillside New Tech                  | 3   | 7   | 12  |
| 322 | Durham Performance Learning Center | 1   | 3   | 5   |
| 317 | City of Medicine Academy           | 6   | 6   | 3   |
| 700 | Southern School of Engineering     | 6   | 5   | 5   |



Date: September 12, 2011

**Durham Public Schools  
Instructional Services Committee  
PRECIS**

**Subject:** New State Standards Update

**Staff Liaison Present**

Dr. Lewis Ferebee

**Phone #:** 560-3874

**Main Points:**

- Administration will provide context for the national standards movement and overview for the new state standards for North Carolina.
- Administration will share transition and professional development plans to employ new state standards.
- Administration is presenting this item for information and discussion.

**Fiscal/Goal Implications:**

- These efforts are supported through federal, state, and local funds.

|                        |                                     |
|------------------------|-------------------------------------|
| <b>Recommendation:</b> |                                     |
| <b>Information</b>     | <input checked="" type="checkbox"/> |
| <b>Discussion</b>      | <input checked="" type="checkbox"/> |
| <b>Action</b>          | <input type="checkbox"/>            |
| <b>Consent</b>         | <input type="checkbox"/>            |



## **New State Standards**

# **Instructional Services Committee**

**Dr. Lewis Ferebee**

Chief of Staff

September 12, 2011



## Context of New State Standards

- Curricula has been a state and local interest
- Shared national standards ensuring consistency
- Enhance global competitiveness
- Adopted by most states
- Standard-based education movement



## Standards-Based Movement

- Relief from textbook driven curriculum
- Too many and too broadly defined
- Assessment aligned with standards
- Alignment with Strategic Plan

## North Carolina Standards

- Implementation 2012-13
- Transition Year 2011-12 (on-going professional development)
- Rigorous and Internationally Benchmarked
- Common Core
  - Mathematics
    - Focused and Coherent (fewer standards)
  - English Language Arts
    - Read, Write, Speak, Listen

## North Carolina Standards

### North Carolina Essential Standards (Blooms

- Arts Education
- English Language Development (standards to be delivered by teachers working with English Language Learners) \*2008
- Healthful Living
- Information and Technology standards to be delivered by all teachers) \* 2011-12
- Science
- Social Studies
- World Languages

## Professional Development (PD)

- Job Embedded
- Teacher Leaders
- North Carolina Department of Instruction (NCDPI)
- Blended and Systemic Approach
  - District-wide
  - Individual Educators
    - Online resources
    - Webinars
    - Learning Modules



## Professional Development Timeline

### 2011-12 "Get Ready"

- Implement PD plan
- Participate in ongoing NCDPI PD opportunities
- Develop curriculum and teacher leaders
- Attend Summer 2012 Institutes

### 2012-13 "Go"

- Implement all standards
- Participate in ongoing NCDPI PD opportunities
- Align AFL model with new standards
- Attend Summer 2013 Institutes

### 2013-14 "Review"

- Evaluate implementation to inform next phases (new teachers, RTI, sustainability, assessments)
- Attend Summer 2014 Institutes



## Teacher Workdays- New State Standards



**Orientation to New State Standards**

Day 1

**Examine Standards Horizontally (Content Area)**

Day 2

**Examine Standards Vertically (Leveled)**

Day 3

**Study Local Curricula**

Day 4

**Unpack Standards**

Day 5

## Implementation Connections

- Academically and/or Intellectually Gifted (AIG)
- English Language Learners (ELL)
- Exceptional Children
- Information and Technology (embedded)

## Transition Principles

- Bloom's Taxonomy
  - Standards written with revised Bloom's Taxonomy
  - One verb and clarifying objective per standard
  - Explain and Infer
  - Allow for greater alignment for assessment
- Formative Assessment
  - Learning Goals and Targets
  - Learning Progressions

## Local Curricula

- Resources to support effective professional development and instruction
- Expand curriculum resource documents
- Enhance online resources
- Alignment with Assessment for Learning (AFL) and Professional Learning Community (PLC) models

# DURHAM PUBLIC SCHOOLS

## 2011-2012 TRADITIONAL CALENDAR

**REVISED 7/5/11**

|           |       |                                   |                                                                                                          |
|-----------|-------|-----------------------------------|----------------------------------------------------------------------------------------------------------|
| AUGUST    | 12    | F                                 | New Teacher Orientation                                                                                  |
|           | 15-16 | M-T                               | New Teacher Orientation                                                                                  |
|           | 17-19 | W-F                               | Teacher Workdays<br>(Friday, August 19 – District Professional Development Day)                          |
|           | 22-23 | M-T                               | Teacher Workdays                                                                                         |
|           | 24    | W                                 | Teacher Workday                                                                                          |
|           | 25    | Th                                | <b><u>FIRST DAY OF SCHOOL FOR STUDENTS</u></b>                                                           |
| SEPTEMBER | 5     | M                                 | Holiday for Students and Teachers [Labor Day]                                                            |
|           | 14    | W                                 | PLC Two Hour Early Dismissal                                                                             |
| OCTOBER   | 12    | W                                 | PLC Two Hour Early Dismissal                                                                             |
|           | 27    | Th                                | End of first grading period                                                                              |
|           | 28    | F                                 | Student Vacation/ Teacher Workday*                                                                       |
|           | 31    | M                                 | Beginning of second grading period                                                                       |
| NOVEMBER  | 11    | F                                 | Holiday for Students and Teachers [Veteran’s Day]                                                        |
|           | 23    | W                                 | Student vacation/Annual Leave for Teachers                                                               |
|           | 24-25 | Th-F                              | Holidays for Students and Teachers [Thanksgiving]                                                        |
|           | 30    | W                                 | PLC Two Hour Early Dismissal                                                                             |
| DECEMBER  | 21    | W                                 | Student Vacation/Teacher Workday [ <b>Inclement weather make-up day #1</b> ]                             |
|           | 22-23 | Th-F                              | Winter Holidays for Students/Annual Leave for Teachers                                                   |
|           | 26-27 | M-T                               | Winter Holidays for Students and Teachers                                                                |
|           | 28-29 | W-Th                              | Winter Holidays for Students/Annual Leave for Teachers                                                   |
|           | 30    | F                                 | Holiday for Students and Teachers [New Year’s Day]                                                       |
| JANUARY   | 2     | M                                 | Student Vacation/Teacher Workday [ <b>Inclement weather make-up day #2</b> ]                             |
|           | 11    | W                                 | PLC Two Hour Early Dismissal                                                                             |
|           | 16    | M                                 | Holiday for Students and Teachers [Martin Luther King, Jr. Day]                                          |
|           | 20    | F                                 | End of second grading period                                                                             |
|           | 23    | M                                 | Student Vacation/Teacher Workday*                                                                        |
| 24        | T     | Beginning of third grading period |                                                                                                          |
| FEBRUARY  | 24    | F                                 | Student Vacation/Teacher Workday [ <b>Inclement weather make-up day #3</b> ]*                            |
| MARCH     | 23    | F                                 | End of third grading period                                                                              |
|           | 26    | M                                 | Student Vacation/Teacher Workday*                                                                        |
|           | 27    | T                                 | Beginning of fourth grading period                                                                       |
| APRIL     | 6     | F                                 | Spring Holiday for Students and Teachers [ <b>Inclement weather make-up day #4</b> ]                     |
|           | 9-13  | M-F                               | Spring Break-Student Vacation/Annual Leave for Teachers [ <b>Inclement weather make-up days #6-#10</b> ] |
|           | 25    | W                                 | PLC Two Hour Early Dismissal                                                                             |
| MAY       | 28    | M                                 | Holiday for Students and Teachers [Memorial Day]                                                         |
| JUNE      | 7     | Th                                | <b><u>LAST DAY OF SCHOOL FOR STUDENTS</u></b>                                                            |
|           | 8     | F                                 | Teacher Workday [ <b>Inclement weather make-up day #5</b> ]*                                             |
|           | 11    | M                                 | Teacher Workday                                                                                          |
|           | 12    | T                                 | Teacher Workday                                                                                          |

**INCLEMENT WEATHER MAKE-UP DAYS (to be used in the following order):**

- |                                  |                            |
|----------------------------------|----------------------------|
| 1. December 21 (Teacher Workday) | 6. April 13 (Annual Leave) |
| 2. January 2 (Teacher Workday)   | 7. April 12 (Annual leave) |
| 3. February 24 (Teacher Workday) | 8. April 11 (Annual leave) |
| 4. April 6 (Spring Holiday)      | 9. April 10 (Annual Leave) |
| 5. June 8 (Teacher Workday)      | 10. April 9 (Annual Leave) |

**\* Common Core Strand and Essential Standard Professional Development Days**

Calendar Revisions: The following days are no longer PLC days but regular instructional days: Feb. 15, March 14, and May 23

**Developed 11/19/09  
Approved 4/29/10  
Revised 4/28/11  
Revised 7/5/11**

**DURHAM PUBLIC SCHOOLS - 2011- 2012 YEAR ROUND CALENDAR**

**REVISED 7/4/2011**

|           |       |      |                                                                                                                      |
|-----------|-------|------|----------------------------------------------------------------------------------------------------------------------|
| JULY      | 6-8   | W-F  | New Teacher Orientation                                                                                              |
|           | 11-14 | M-Th | Teacher Workdays<br>(Wednesday, July 13 – District Professional Development Day)                                     |
|           | 15    | F    | Teacher Workday                                                                                                      |
|           | 18    | M    | <b><u>FIRST DAY OF SCHOOL FOR STUDENTS</u></b>                                                                       |
| AUGUST    | 10    | W    | PLC Two Hour Early Dismissal                                                                                         |
| SEPTEMBER | 5     | M    | Holiday for Students and Teachers [Labor Day]                                                                        |
|           | 16    | F    | End of first grading period                                                                                          |
|           | 19    | M    | Intersession week 1/Student Vacation/Teacher Workday                                                                 |
|           | 20    | T    | Intersession week 1/Student Vacation/ Teacher Workday*                                                               |
|           | 21-23 | W-F  | Intersession week 1/Student Vacation/Annual Leave for Teachers                                                       |
|           | 26-30 | M-F  | Intersession week 2/Student and Teacher Vacation                                                                     |
| OCTOBER   | 3-7   | M-F  | Intersession week 3/Student and Teacher Vacation                                                                     |
|           | 10    | M    | Beginning of second grading period                                                                                   |
|           | 12    | W    | PLC Two Hour Early Dismissal                                                                                         |
| NOVEMBER  | 11    | F    | Holiday for Students and Teachers [Veteran’s Day]                                                                    |
|           | 23    | W    | Student Vacation/Annual Leave for Teachers                                                                           |
|           | 24-25 | Th-F | Holidays for Students and Teachers [Thanksgiving]                                                                    |
|           | 30    | W    | PLC Two Hour Early Dismissal                                                                                         |
| DECEMBER  | 16    | F    | End of the second grading period                                                                                     |
|           | 19    | M    | Intersession week 1/Student Vacation/ Teacher workday [ <b>Inclement weather make-up day #1</b> ]                    |
|           | 20    | T    | Intersession week 1/Student Vacation/Teacher Workday [ <b>Inclement weather make-up day #2</b> ]*                    |
|           | 21    | W    | Intersession week 1/Student Vacation/ Annual Leave for Teachers [ <b>Inclement weather make-up day #3</b> ]          |
|           | 22    | Th   | Intersession week 1/Student Vacation/Annual Leave for Teachers                                                       |
|           | 23    | F    | Intersession week 1/Winter Holiday for Students and Teachers                                                         |
|           | 26    | M    | Intersession week 2/Winter Holiday for Students and Teachers                                                         |
|           | 27-30 | T-F  | Intersession week 2/ Student and Teacher Vacation                                                                    |
| JANUARY   | 2     | M    | Intersession week 3/Holiday for Students and Teachers [New Year’s Day]                                               |
|           | 3-4   | T-W  | Intersession week 3/Student Vacation/Annual Leave for Teachers                                                       |
|           | 5     | Th   | Intersession week 3/Student vacation/Teacher workday                                                                 |
|           | 6     | F    | Intersession week 3/Student Vacation/Teacher Workday*                                                                |
|           | 9     | M    | Beginning of the third grading period                                                                                |
|           | 11    | W    | PLC Two Hour Early Dismissal                                                                                         |
|           | 16    | M    | Holiday for Students and Teachers [Martin Luther King, Jr. Day]                                                      |
| FEBRUARY  | 17    | F    | Utility day [ <b>Inclement weather make-up day #4</b> ]                                                              |
|           | 20    | M    | Utility day [ <b>Inclement weather make-up day #5</b> ]                                                              |
| MARCH     | 15    | Th   | End of third grading period                                                                                          |
|           | 16    | F    | Student Vacation/Teacher Workday*                                                                                    |
|           | 19    | M    | Beginning of fourth grading period                                                                                   |
|           | 26    | M    | Intersession week 1/Student Vacation/Teacher Workday[ <b>Inclement weather make up day #6</b> ]*                     |
|           | 27-28 | T-W  | Intersession week 1/Student Vacation/ Annual Leave for Teachers [ <b>Inclement weather make-up day #7 &amp; #8</b> ] |
|           | 29-30 | Th-F | Intersession week 1/Student and Teacher Vacation [ <b>Inclement weather make-up day #9 &amp; 10</b> ]                |
| APRIL     | 2-5   | M-Th | Intersession week 2/Student and Teacher Vacation                                                                     |
|           | 6     | F    | Intersession week 2/Holiday for Students and Teachers [Spring Holiday]                                               |
|           | 9-13  | M-F  | Intersession week 3/ Student Vacation and Teacher Vacation                                                           |
|           | 25    | W    | PLC Two Hour Early Dismissal                                                                                         |
| MAY       | 28    | M    | Holiday for Students and Teachers [Memorial Day]                                                                     |
| JUNE      | 8     | F    | <b>Last Day of School for Students</b>                                                                               |
|           | 11    | M    | Teacher Workday                                                                                                      |
|           | 12    | T    | Teacher Workday                                                                                                      |

**INCLEMENT WEATHER MAKE-UP DAYS (to be used in the following order):**

- |                                  |                               |
|----------------------------------|-------------------------------|
| 1. December 19 (Teacher Workday) | 6. March 26 (Teacher Workday) |
| 2. December 20 (Teacher Workday) | 7. March 27 (Annual Leave)    |
| 3. December 21 (Teacher Workday) | 8. March 28 (Annual leave)    |
| 4. February 17 (Utility Day)     | 9. March 29 (Annual Leave)    |
| 5. February 20 (Utility Day)     | 10. March 30 (Annual Leave)   |

\* Common Core Strand and Essential Standard Professional Development Days

**Calendar Revisions: The following days will no longer be PLC days but regular instructional days: Feb. 15, March 14, and May 23**

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