

# LIVONIA PUBLIC SCHOOLS

---

Sheila A. Alles, Director

Academic Services Department

May 12, 2010

TO: Dr. Randy Liepa

FROM: Sheila Alles

SUBJECT: SCIENCE TEXTBOOKS RECOMMENDATIONS

I am requesting that the following textbook purchase recommendations for high school Physical Science and Principles of Physics courses be placed on the May 17, 2010, Board Curriculum Committee agenda. Principles of Physics and Physical Science are both new courses that fulfill the Physics graduation requirement. Since next year is the first year all students will be required to take these classes, the Board of Education has agreed to provide textbooks for them.

We have completed the district prescribed textbook adoption process, and the high school principals support the recommendations. The textbooks are available to review in my outer office area.

## **COURSE: PHYSICAL SCIENCE**

CPO – *Foundations of Physical Science*, 3<sup>rd</sup> edition, 2009  
Publisher: School Specialty Science

297 Textbook Sets (student text and lab manual) at \$92.00 each = \$27,324.00

### At No Charge:

297 Student Text DVDs. (If purchased without purchasing a textbook, the price would be \$74.00 each.)

9 Equipment Kits (3 per high school) with a value of \$2,175 each = \$19,575.00

Includes Pendulum, Physics Stand, Ropes and Pulleys, Energy Car, Photogates, Lever, Sound and Waves, Periodic Table Tiles, Electric Circuits, Multimeter, Conversion Chain Cards, Set of 8 Weights, Atom Building Game, Displacement Tank, Density Cubs, Temperature Probe, Pressure Sensor

9 Ancillary Teacher Toolkits (3 per school) with a value of \$398.00 each = \$3,582.00

Includes Skill and Practice Worksheets, Black-line Masters, Teacher's Guide, CD-ROM Color Teaching Tools, CD-ROM Electronic Textbook, CD-ROM Test Bank Builder, and Michigan Lesson Planner

**COURSE: PRINCIPLES OF PHYSICS**

*CPO – Foundations of Physics*, 3<sup>rd</sup> edition, 2011  
Publisher: School Specialty Science

659 Textbook Sets (student text and lab manual) at \$96.00 each = \$63,264.00

**At No Charge:**

659 Student Text DVDs. (If purchased without purchasing a textbook, the price would be \$77.00 each.)

22 Equipment Kits (7 per high school with one kit TBD) with a value of \$2,375 each = \$52,250.00

Includes Physics Stand, Electric Motion Experiment II, Electric Circuits Set, Loop Track, Sound and Waves, DataCollector with one Photogate, Velocity Sensor, Marble Launcher, Springs and Swings, Dynamic Pulleys, Spinner-Angular Momentum, Rotational inertia Wheels, Optics with Light and Color, AirCap, SuperCap, Temp Probe, Voltage Probe, Tri-Force Ring, Circuits RC Pack, Set of 4 Spring Scales, Compass Magnetic, Smart Track with Energy Car, Wave Tray, Static Electricity, Box, Tuning Fork, Heat Capacity Blocks

18 Ancillary Teacher Toolkits (6 per high school) with a value of \$398.00 each = \$7,164.00

Includes Skill and Practice Worksheets, Black-line Masters, Teacher's Guide, CD-ROM Color Teaching Tools, CD-ROM Electronic Textbook, CD-ROM Test Bank Builder, and Michigan Lesson Planner

**PHYSICAL SCIENCE and PRINCIPLES OF PHYSICS:**

Physical Science Cost:	\$27,324.00
Principles of Physics Cost:	<u>63,264.00</u>
Total:	\$90,588.00
Shipping & Handling (3%)	<u>2,717.64</u>
<b>Total Cost:</b>	<b>\$93,305.64</b>

**Total savings of no charge items: \$82,571.00**

mb

c

Rod Hosman  
Gary Cieniuch