SCIENCE CONTENT-SPECIFIC OFFERINGS OF THE SDPDC

FOCUS:
- Grades 6-12 in the areas of:
  - Biology
  - Earth Science
  - Physical Science
  - Chemistry
  - Physics
  - Integrated science

SERVICES:
- Data
  - Using data to guide instruction
  - Learning how to use available data from D.O.E. to identify areas of improvement
- DSTP preparation
  - Integrating sample DSTP questions into lessons
- Develop common assessments
  - Creation and implementation of common assessments to better improve instruction
- Common Workshops that focus on science-specific professional development
  - Current trends in science classroom technology
  - Available resources in science
  - More effective laboratory time
- Customized professional development
- Customized department assistance
  - Allow the department to identify their own needs
- Make industry and business resources available to teachers
• Creating inexpensive long-term student learning projects
• Specific actions to help teachers with students struggling in mathematics
• Best practices with diverse learning styles (specific to science)
• Unit alignment to GLE’s and Standards (Non-Coalition Districts)
• Best practices in formative and summative assessments
• Availability to hundreds of science teaching websites
• Examination of current state of Department
  o Focus on Self-assessment and evaluation
• Alignment to Standards
  o 502 Alignment (For Non-Science Coalition Districts)
  o Vertical Articulation
• Incorporating Learning Focused© Solutions into lessons and curriculum
• Resources
  o Do we need any other resources?
• Safety
  o Compliance with Safety First Manual (Delaware Department of Education)
• AP program design/support
• Using technology in the science classroom
• Doing “better/cheaper” science labs
• Access to grants and grant writing
• Assistance with Science Olympiad
• Individual Teacher Support
  o Interpretation, Implementation, and Alignment of Standards
  o Open House Preparation
  o Teacher Observation Support
  o Parental Communication
  o Best practices
  o Website creation
  o Classroom management
  o Provide sources for lesson plans
  o Provide inquiry-based lab experiments and long-term projects
  o Online grade book systems
  o Assisting new teachers in the Mentoring Program