MATHEMATICS CONTENT-SPECIFIC OFFERINGS OF THE SDPDC

FOCUS:

Grades 7-12 in the areas of:

- Pre-Algebra
- Algebra I
- Algebra II
- Geometry
- Trigonometry
- Pre-Calculus
- Calculus
- Statistics

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 mathematics-specific professional development
- Current trends in mathematics
- Available resources in mathematics
- Differentiated Instruction
- Customized professional development
- Learning Focused® Certified Trainer
- Customized department assistance
- Allow the department to identify their own needs
- Creating student learning projects in the area of statistics
- Best practices with diverse learning styles (specific to mathematics)
- Unit alignment to GLE’s and Standards
- Best practices in formative and summative assessments
- Examination of current state of Department
- Focus on Self-assessment and evaluation
- Alignment to Standards
- Incorporating Understanding by Design into lessons and curriculum

**Resources**
- Do we need any other resources?

- AP program design/support
- Using technology in the mathematics classroom
- Graphing calculators (TI-83, TI-83+, TI-84+)
- Mathematical software for Algebra I
- Microsoft Excel (creating graphs)
- Introductory SMART Board assistance
- TI-Navigator support
- Individual Teacher Support
  - Interpretation, Implementation, and Alignment of Standards
  - Teacher Observation Support
  - Parental Communication
  - Best practices
  - Classroom management
  - Provide sources for lesson plans
  - Link to University of Delaware resources in mathematics