**Connecticut Common Core Geometry Curriculum**

**Professional Development Plan**

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| **Unit 8: Extensions and Projects** | | |
| **Date: August 6, 2015** | **Location: Gateway Community College** | |
| **Presenters:** | | |
| **Schedule for the day:**  **Start time:**  **End time:**  Introduction (20 minutes)  Break (5 minutes)  Participants choose to attend **only one** of three workshops (one hour)  Break (5 minutes)  Final session (1 hour 30 minutes). | | |
| **Opening Session**  Discuss the rationale for the unit and the two ways it can be implemented: as supplementary investigations for the whole class or as resources for students doing individual projects. Discuss ways to evaluate student projects and the advantages of holed a “Geometry Fair.”  Briefly introduces the three topics available in today’s workshops and asks participants to choose one.  Unit8\_PD\_overview\_v3, pages 1–7 | | |
| **Workshop 1** | | **Presenter:**  **Room** |
| **Activities:**  Investigation 2 The Fourth Dimension  Activities 8.2.2, 8.2.3, and 8.2.4 | | **Equipment and Materials:**  Video of Flatland  Paper and Pencil |
| **Workshop 2** | | **Presenter:**  **Room** |
| **Activities**  Investigation 4: History of Pi  Activities 8.4.1, 8.4.2, and 8.4.3 | | **Equipment and Materials**  Paper and Pencil  Graphing Calculators |
| **Workshop 3** | | **Presenter: Tim Brzezinski**  **Room** |
| **Activities**  Investigation 8.6.1, 8.6.2 | | **Equipment and Materials**  Compass and straightedge  GeoGebra  Computer Lab |
| **Closing Session**   1. Response to participants’ questions and concerns expressed on note cards collected in previous PD sessions. 2. Issues of implementation: Panel discussion by teachers who have used Connecticut Core Curriculum materials (including Algebra 1 and 2 as well as Geometry) 3. Demonstrate how to access materials on the public and secure web sites. 4. Open floor for discussion and comments by the group. 5. Break up into smaller groups to discuss next steps, planning for next semester 6. Report back from smaller groups.   Unit8\_PD\_overview\_v3 slides 8–18 | | |
| **Additional Comments**  Modify the closing session to meet the needs of the group. | | |