

## Geometry 2<sup>nd</sup> Semester Plan – 2011/2012

| Date     | Section  | Subject / Activity / Notes                  |
|----------|----------|---|
| 1/23,24  | 7-1, 7-2 | Using Proportions                           |
|          |          | Exploring Similar Polygons                  |
| 1/25,26  | 7-3      | Identifying Similar Triangles               |
|          |          |   |
| 1/27,30  | 7-4      | Parallel Lines & Proportional Parts         |
|          |          |   |
| 1/31,2/1 | 7-5      | Parts of Similar Triangles                  |
|          |          |   |
| 2/2,3    | 7-6      | Fractals & Self-Similarity                  |
|          | Review   | Chapter 7 Review                            |
| 2/6,7    | Exam     | Chapter 7 Examination                       |
|          |          |   |
| 2/8,9    | 8-1      | Geometric Mean &<br>The Pythagorean Theorem |
| 2/10,13  | 8-2      | Special Right Triangles                     |
|          |          |   |
| 2/14,15  | 8-3      | Ratios in Right Triangles                   |
|          |          |   |
| 2/16,17  | 8-4      | Angles of Elevation & Depression            |
|          |          |   |
| 2/21,22  | 8-5, 8-6 | Laws of Sines & Cosines                     |
|          |          |   |
| 2/23,24  | Review   | Chapter 8 Review                            |
|          |          |   |
| 2/27,28  | Exam     | Chapter 8 Examination                       |
|          |          |   |
| 2/29,3/1 | 9-1      | Exploring Circles                           |
|          |          |   |
| 3/2,5    | 9-2      | Angles & Arcs                               |
|          |          |   |
| 3/6,7    | 9-3      | Arcs & Chords                               |
|          |          |   |
| 3/8,9    | 9-4      | Inscribed Angles                            |
|          |          |   |
| 3/12,13  | 9-5      | Tangents                                    |
|          |          |   |
| 3/14,15  | 9-6      | Secants, Tangents, & Angle Measures         |
|          |          |   |
| 3/16,19  | 9-7      | Special Segments in a Circle                |
|          |          |   |
| 3/20,21  | Review   | Chapter 9 Review                            |
|          |          |   |
| 3/22,23  | Exam     | Chapter 9 Examination                       |

| Date    | Section | Subject / Activity / Notes                   |
|---------|---------|--|
| 4/2,3   | 10-1    | Polygons                                     |
|         |         |  |
| 4/4,5   | 10-2    | Tessellations                                |
|         |         | Conditions for Tessellation                  |
| 4/6,9   | 10-3    | Area of Parallelograms                       |
|         |         |  |
| 4/10,11 | 10-4    | Area of Triangles, Rhombi,<br>and Trapezoids |
| 4/12,13 | 10-5    | Areas of Regular Polygons and Circles        |
|         |         |  |
| 4/16,18 | 10-6    | Geometric Probability                        |
|         | 10-7    | Polygons as Networks                         |
| 4/19,20 | Review  | Chapter 10 Review                            |
|         |         |  |
| 4/23,24 | Exam    | Chapter 10 Examination                       |
|         |         |  |
| 4/25,26 | 11-1    | Exploring 3D Figures                         |
|         |         |  |
| 4/27,30 | 11-2    | Nets and Surface Area                        |
|         |         |  |
| 5/1,2   | 11-3    | Surface Area of Prisms & Cylinders           |
|         | 11-4    | Surface Area of Pyramids & Cones             |
| 5/3,4   | 11-5    | Volume of Prisms & Cylinders                 |
|         | 11-6    | Volume of Pyramids & Cones                   |
| 5/7,8   | 11-7    | Surface Area and Volume of Spheres           |
|         |         |  |
| 5/9,10  | Review  | Chapter 11 Review                            |
|         |         |  |
| 5/11,14 | Exam    | Chapter 11 Examination                       |
|         |         |  |
| 5/15,16 | 12-1    | Graphing Linear Equations                    |
|         | 12-2    | Writing Equations of Lines                   |
| 5/17,18 | 12-3    | Scatter Plots & Slopes                       |
|         |         |  |
| 5/21,22 | Review  | Review for Final Exam (EOC)                  |
|         |         |  |
| 5/23    | Review  | Review for Final Exam (EOC)                  |
|         |         |  |
| 5/24,25 | Exam    | Final Examination (Dist. EOC)                |
|         |         |  |
|         |         |  |