Lap 1: Chapter 1 Tools of Geometry

|  |  |  |  |
| --- | --- | --- | --- |
| Subject | Teacher | E-mail |  |
| HN Geometry | Ms. Kondracki | MKondracki.fhs@gmail.com |  |

Overview & Rational

In this LAP, we will cover the basics of geometry that will be put to use for the entire year. These foundations include line segments, angles, coordinate planes, and perimeter and area. Learning these basic postulates, definitions, and theorems will help to develop our deductive reasoning skills.

**Essential Question**

What are the foundation blocks of geometry?

**Independent assignmet & Enrichment Due Tuesday, 9/4**

**Independent assignment (required):** Lap 1 Theorems, Postulates, Vocabulary

**Enrichment Assignment (optional):** p. 42 in your textbook complete the activity (steps 1-4). Decorate your design to make it look amazing

Summer Math Packet Test is in the **testing center** 8/20 – 8/24

**Lap Summative Assessment is in the testing center on the following dates:**

Friday, 9/7 - Tuesday, 9/11

You may bring a calculator to this test.

| Date | Lesson | Homework |
| --- | --- | --- |
| Thursday  8/6  a | **Syllabus/Activity** | All about me |
| Monday  8/20  C | **1.2 Points, Lines, and Planes**  SWBAT define basic terms and postulates in geometry | Textbook  p. 16-18 #8-22, 27, 29, 31, 34-36, 38, 41-45odd |
| Wed  8/21  E | **1.3 Measuring Segments**  SWBAT find and compare lengths of segments | Textbook  p. 24-25 #8-16, 19-21, 23-24, 26-28, 39, 41, 42 |
| Thursday  8/23  F | **1.4 Measuring Angles**  SWBAT find and compare measures of angles | Textbook  p.31-32 #6-11, 15-17, 18-23, 29-30 |
| Monday  8/27  H | **1.5 Exploring Angle Pairs**  SWBAT identify special angle pairs and use their relationships to find angle measures | Textbook  p. 38-40 #7-28, 33-36, 39, 40 |
| Wednesday  8/29  K | **Mid-chapter Quiz**  **1.6 Basic Constructions**  SWBAT make constructions using a straightedge and a compass | Finish constructions if you do not finish in class |
| Thursday  8/30  A | **1.7 Distance and Midpoint in the Coordinate Plane**  SWBAT find midpoint and distance of a line segment in the coordinate plane | Worksheet  1.7 Distance & Midpoint |
| Tuesday  9/4  C | **1.8 Perimeter, Circumference, Area**  SWBAT find the perimeter, circumference, and area of 2D shapes | Textbook  p. 64-66 #7-8, 9-17odd, 20-22, 23-25, 27-33odd, 34-37, 42, 43 |
|  | **Review Day** |  |

|  |  |  |
| --- | --- | --- |
|  |  | Notes |
|  |  | If you take the test on fri, then you will not have a test during spirit week for this class! |