UNIT 1 - LESSON PLANS

Class	Geometry	**Topic**	U1 – Measuring Angles	**Lesson**	4	**Of**	8

Objective	Students will: • Find and compare the measures of angles.
"I Can" Statement	Use a protractor to measure an angle. Name angles. Differentiate between types of angles.

Common Core Standards	**Geometric measurement: understand concepts of angle and measure angles.** CCSS.MATH.CONTENT.4.MD.C.5 Recognize angles as geometric shapes that are formed wherever two rays share a common endpoint, and understand concepts of angle measurement: CCSS.MATH.CONTENT.4.MD.C.5.A An angle is measured with reference to a circle with its center at the common endpoint of the rays, by considering the fraction of the circular arc between the points where the two rays intersect the circle. An angle that turns through 1/360 of a circle is called a "one-degree angle," and can be used to measure angles. CCSS.MATH.CONTENT.4.MD.C.5.B An angle that turns through *n* one-degree angles is said to have an angle measure of*n* degrees. CCSS.MATH.CONTENT.4.MD.C.6 Measure angles in whole-number degrees using a protractor. Sketch angles of specified measure.

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	CCSS.MATH.CONTENT.4.MD.C.7 Recognize angle measure as additive. When an angle is decomposed into non-overlapping parts, the angle measure of the whole is the sum of the angle measures of the parts. Solve addition and subtraction problems to find unknown angles on a diagram in real world and mathematical problems, e.g., by using an equation with a symbol for the unknown angle measure.

Bell Work	Have a protractor on every desk, a note card, and a pair of scissors. Have them cut the note card into four pieces. Measure and label each angle of the four pieces. Lead this discussion into the different types of angles.

Procedures	1. Start and lead student discussion related to the bell work. 2. Distribute the Guided Notes 3. Present lesson or play a video lesson. 4. Distribute Lesson Assignment. 5. Go through ALL 4 ASSIGNMENTS with student.

Assessment	Assignment 1-4 (Parts 1-4) What properties are common to all nets that will form a cube? Without folding, is there a quick way to determine whether or not a net will fold into a cube?

Additional Resources	Khan Academy Quiz