Strong Middle School

Weekly Lesson Plans # 25

03/12/18-03/16/18

Mr. Bazzi

**Monday:**

**6th Grade:** Professional Development (at central office)

**7th Grade:** Professional Development (at central office)

**8th Grade:** **CCSS: 8.G.C.9 know the formulas for the volumes of cones, cylinders, and spheres and use them to solve real-world and mathematical problems.**

**CO:** I can apply the formula of the volume of a cylinder by finding the area of circle times the height of cylinder.

**LO:** Students will be able to understand how to determine the volume of cylinder with the formula ( V$=πr^{2}h )$ **( activity )**

**Tuesday:**

**6th Grade:** **G.A.1 Find the area of right triangles, other triangle, special quadrilaterals, and polygons by composing into rectangles or composing into triangles and other shapes; apply these techniques in the context of solving real-world and mathematical problems.**

**CO:** I can apply the area of a parallelogram by multiplying the length times the width.

**LO:** I can orally describe the area of a parallelogram using the formula A$=l times w.$

**( activity )**

**7th Grade:** **7.SP.B.4 Use measures of center and measures of variability for numerical data from random samples to draw informal comparative inferences about two populations. ( Interpret charts to find mean, median, mode, and range)**

**CO:** I can analyze the numerical data by determining the mean, median, mode, and range.

**LO:** I can orally explain the mean, median, mode, and range using charts. **( activity )**

**8th Grade:** **CCSS: 8.G.C.9 know the formulas for the volumes of cones, cylinders, and spheres and use them to solve real-world and mathematical problems. Story problems on cylinders**

**( activity )**

**Wednesday:**

**6th Grade:** story problems on rectangles **( activity )**

**7th Grade:** **7.SP.C.5 Understand that the probability of a chance event is a number between 0 and 1 that expresses the likelihood of the event occurring. Larger numbers indicate greater likelihood. A probability near 0 indicates an unlikely event, a probability around ½ indicates an event that is neither unlikely nor likely, and a probability near 1 indicates a likely event.**

 ( probability of simple events )

**CO:** I can understand the probability of simple events by explaining the outcomes in the event.

**LO:** I can orally describe the probability of simple events using the outcomes out of the total.

 **( activity )**

**8th Grade:** **CCSS: 8.G.C.9 know the formulas for the volumes of cones, cylinders, and spheres and use them to solve real-world and mathematical problems.**

**CO:** I can apply the volume of the cone by finding the area of the base times the height.

**LO:** I can orally describe the formula of the cone with $V=\frac{1}{3}πr^{2}h$ **( activity )**

**Thursday:**

**6th Grade:** **6.G.A.2 Find the volume of a right rectangular prism with fractional edge lengths by packing it with unit cubes of the appropriate unit fraction edge lengths, and show that the volume is the same as would be found by multiplying the edge lengths of the prism. Apply the formulas V=lwh and V=bh to find volumes of right rectangular prisms with fractional edge lengths in the context of solving real-world and mathematical problems.**

**CO:** I can apply the volume of a cube by multiplying the length times width times height.

**LO:** I can orally explain the volume of a cube with the formula V=l.w.h **( activity )**

**7th Grade:** Continue practicing Wednesday’s lesson **( activity ) and review**

**8th Grade:** **CCSS: 8.G.C.9 know the formulas for the volumes of cones, cylinders, and spheres and use them to solve real-world and mathematical problems.**

**CO:** I can apply the volume of the sphere by finding the radius.

**LO:** Students will be able to understand the volume of the sphere with $V=\frac{4}{3}πr^{3}$ **( activity )**

**Friday:**

**6th Grade:** Review and assessment on area of parallelogram and volume of a cube.

**7th Grade:** Review and assessment on probability.

**8th Grade:** Review and assessment on volume of cylinders and cones.