**STEAM: Art and Math**

**Composite Area Picture**

**Task**: You’re going to use **art** and **math** to explore area of polygons and composite figures!

**Parameters**:

1. You must have **at least 12 polygons**. They must include at least:
   1. 1 rectangle
   2. 3 parallelograms
   3. 4 triangles
   4. 4 trapezoids
2. Your polygons **can’t overlap**, but **they must all touch** in order to make one composite picture/figure.
3. **Color** your picture.
4. Determine the **area** **of each polygon**.
   1. Remember that each square represents **1 square cm**, so you need to accurately count the measurements (length, width, height, etc.) for each polygon.
   2. Be sure to write the **formula, substitute** the variables**,** and **solve**.
5. Lastly, determine the **total composite area** of your picture.

Lastly, this will count as your quiz grade for this week, so make sure your math is accurate! I will collect your masterpieces on the Monday when we return from break. 😊