

Art and Math

Visit this link for more detailed instructions and a video:

<https://www.youcubed.org/resources/sidewalk-chalk-designs-k-12-video/>

Working in the outdoor space you have, create designs with tape and chalk. Use the tape to create an assortment of geometric shapes. Use the chalk to colour in the shapes that you created. Consider spending time looking at geometric art online for some inspiration.

Suggested Materials:

- Blue painters tape
- Sidewalk Chalk OR supplies to make your own chalk (cornstarch OR baking Soda, food coloring (if you want colored chalk), water, paint brushes)
- Rulers, measuring sticks, measuring tape



Here are some questions you might ask while enjoying this activity:

- How many sections did you make in your design?
- How many parts are green?
- What percent of your design is yellow?
- What fraction of your design is blue?
- How many times bigger is your design outside than your draft on paper?
- Which section has the largest area? How do you know?
- Which section has the largest perimeter? How can you tell?
- What is the fewest number of colors you can use so that no adjacent sections are the same color? Can you create a design that requires more colors than your original one?