

AFTER SCHOOL CLUB

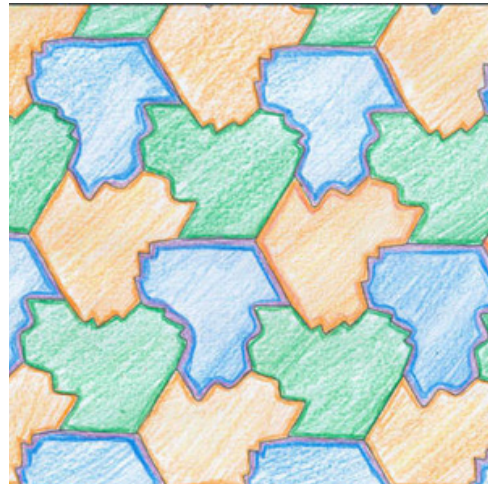
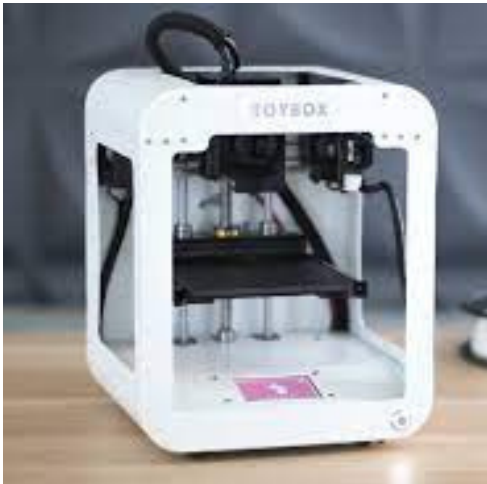


AGES 6-12
@ 5:00 PM

MAKE IT! - 3-D PRINTED SNOWFLAKES

INTRODUCTION

They say every snowflake is unique, and that is definitely the case for this Make It activity! Learn some basic 3D modeling on TinkerCAD, then print your own snowflake out on our Toybox 3D printers. While they print, try your hand at the art of tessellations for more one-of-a-kind creations.



WHAT WE'LL BE USING:

Laptops (Macs and PCs available)
Toybox 3D Printers
TinkerCAD Modeling Program

Paper
Post-it Notes
Markers/Crayons

Are all snowflakes REALLY unique?

The short answer is yes! Every snowflake has its own journey forming from cloud to ground. They are exposed to different levels of wind, humidity, and temperature. Two snowflakes may appear the same to our eyes, but on a microscopic level they are as different as fingerprints.

Subjects:

- 3D Modeling
- Geometry

Standards:

- 5 PS 1-1
- 2 PS 1-3

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Maker

Capacities:

- Make (and Draw) Plans
- Physically Change Perspectives

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Key Terms

- Tessellation
- Computer-Aided Design