

Snappy Rings

Shared by: K-12 Maker Lab and Jonathan Tagoe, MIT '21

Specialized tools and materials used:	Experience level required:
3D Printer and filament	Beginner
Tinkercad (Tinkercad.com)	Beginner/Intermediate
Sealing wax (optional)	Beginner

Grade Level and Subject (of this example): 5th-8th Grades

Topic/Content Standards (for this example): Engineering/Math - measurement, tolerance
Social Studies/Language Arts/World Language - meaningful artifacts and characters

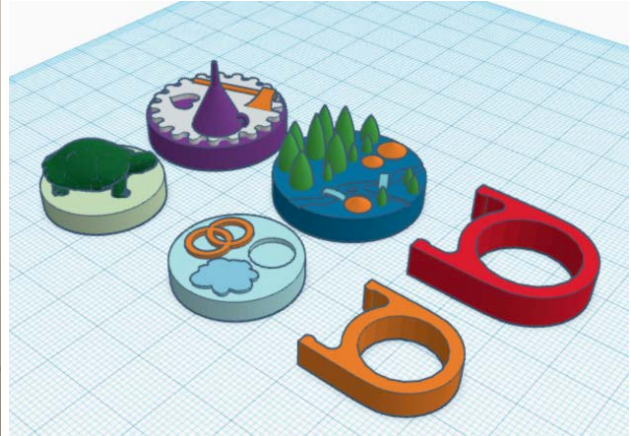


Summary of Project:

Students design and create customized rings with snap-on tops to represent significant traits, powers, or attributes of a specific character. The rings can be worn as props or identifiers in classroom conversations about characters in history and literature. An alternative use is to make a personal signet ring as used on old-fashioned wax seals. The “snap” features between the ring and the topper are provided in the Tinkercad Gallery and are linked in the Instructables lesson, found below under Suggested Resources.

Students work individually within these constraints:

- rings are able to fit their fingers snugly, without being too loose or hard to take off
- ring inserts fit into rings without getting stuck or falling out



Suggested resources

- Snappy Rings Instructable at <https://www.instructables.com/id/Snappy-Rings/>