

## Snappy Rings

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Specialized tools/technology used	Experience level required
3D printer	beginner
Tinkercad or other 3D modeling software	beginner/intermediate
Calipers	beginner

**Grade Level** (of this example): Middle School and up

**Estimated time:** 90 - 120 minutes

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

### Summary of Project:

In this project, students will create 3D printed rings with interchangeable toppers.

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

### Images of finished student work



