



3D Printing Party Camp

Monday–Friday, July 6–10, 9 a.m.–1 p.m.

* On **Tuesday** and **Thursday** the camp group will travel via Madison Metro to Wisconsin Institutes for Discovery for most of the morning. If possible, please plan to pack a lunch on these days, rather than ordering from The Roman Candle, as the campers will be eating lunch at WID. Camper drop-off and pick-up will still take place at Madison Children's Museum on these days.

Camp Instructors:

Jay Ludden MCM Contract Instructor; Travis Tangen, Wisconsin Institutes for Discovery Instructor

Kate Mikles, MCM Summer Camp Intern

To reach staff during camp:

608-421-4458 Camp cell phone

256-6445, ext. 0, MCM Administration

Monday, July 6

- 3D printing for prototyping and engineering (measurement tools)
- 123d Design, TinkerCad, SketchUp
- Kidraulic
- Take home: Custom Lego piece

Tuesday, July 7 (Wisconsin Institutes for Discovery)

- Travel via Madison Metro to WID (please bring a lunch)
- Introduction to 3D Printing
 - -Tour Fab Lab?
- 3D printing & design for art
- Designing a creature - using Sculpt, Creature, & Sculpt+
- Create a stamp, embossing tool, or clay texturizer for the Art Studio
- Take home: Name tag

Wednesday, July 8

- Kidraulic
- Creation with recycled materials
- *Final Projects:* Use any of the tools explored to create your own masterpiece

Thursday, July 9 (Wisconsin Institutes for Discovery)

- Travel via Madison Metro to WID (please bring a lunch)
- From the digital world to the real world to the digital world
- Using 123D Catch to 3D scan
- *Final Projects:* Use any of the tools explored to create your own masterpiece
- Take home: Creature

Friday, July 10

- From the digital world to the real world to the digital world
- Google Cardboard & Sketchfab
- Show & tell with parents