



## 2022 MD 4-H Engineering Camp

### Schedule



#### Friday April 22, 2022

6:30 – 7:00	Registration / Move into cabins
7:00 – 8:00	Keynote: NASA Engineering
8:00 – 8:45	Icebreakers/ team Logos
8:45 – 10:00	Introduction to engineering Discuss the Engineering Process Team challenge – Marshmallow Catapults
10:00	Head to cabins
10:30	Lights out

#### Saturday April 23, 2022

6:30	Wake up
7:15	Flags
7:30 – 8:15	<b>Breakfast</b>
8:15 – 8:30	Overview of the day
8:30 – 9:00	Team Challenge – Dam Builders
9:00 – 10:30	Workshop session 1
10:30 – Noon	Workshop session 2
Noon – 12:45	<b>Lunch</b>
12:45 – 3:00	Team Challenge – Underwater robotics
3:30 – 5:00	Workshop session 3
5:00 – 5:30	Cleanup for dinner
5:30 – 6:15	<b>Dinner</b>
6:15 – 9:00	BIG Team challenge - Pneumatics
9:00 – 10:00	Campfire
10:00	Head to cabins
10:30	Lights out

#### Sunday April 24, 2022

7:00	Wake up
7:30	Flags
8:00 – 8:45	Breakfast
8:45 – 9:00	Overview of the day
9:00 – 9:45	Pack and clean (dorms, bathrooms, dining hall)
9:45 – 11:30	Lawn Mower / Tractor driving / Welding / Safety / Evaluations
11:30 – 12:00	Awards
12:00	Dismissal

**NOTE: This schedule is *tentative* and may change before the camp! Final schedule will be released after attendance is determined. For questions, please e-mail Dwayne Murphy at [dmurphy2@umd.edu](mailto:dmurphy2@umd.edu) and Mark DeMorra at [mdemorra@umd.edu](mailto:mdemorra@umd.edu)**

#### **Example Workshop Topics:**

Welding  
Model Rocketry  
Soldering  
Small Engine & Automotive Repair  
Electricity & Energy  
Computer Science