

STEM CENTER

MONTHLY CHALLENGES

JANUARY: BALLOON ROCKET CHALLENGES

- January 4-January 10 | Make a balloon rocket
- January 11-January 17 | Furthest distance balloon rocket
- January 18-January 24 | Largest rocket
- January 25-January 31 | Fastest rocket

FEBRUARY: TURBINE CHALLENGES

- February 1-February 7 | Construct a wind turbine
- February 8-February 14 | Build a wind turbine winch
- February 15-February 21 | Use parts to make a water turbine
- February 22-February 28 | Make the most powerful wind turbine

MARCH: ELECTRIC CHALLENGES

- February 29-March 6 | Build a circuit to power a fan
- March 7-March 13 | Make a circuit to connect as many lights as possible
- March 14-March 20 | Build an electronic art creating robot
- March 21-March 27 | Create an electric powered car
- March 28-April 3 | Design an electromagnet

APRIL: SAIL CHALLENGES

- April 4-April 10 | Build a sailboat
- April 11-April 17 | Create a sail car
- April 18-April 24 | Smallest sail to power a boat
- April 25-May 1 | Tallest sail design

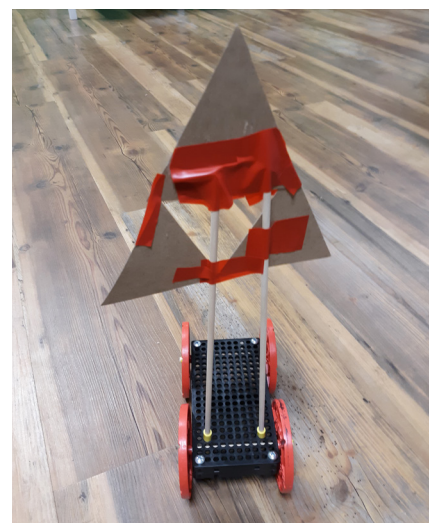
MAY: HYDRAULIC CHALLENGES

- May 2-May 8 | Build a hydraulic Claw
- May 9-May 15 | Build a hydraulic arm
- May 16-May 22 | Make a hydraulic powered lift
- May 23-May 29 | Design a moving hydraulic bridge



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www.lakeshoremuseum.org
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The STEM Center will be open during regular museum hours:

Monday–Friday: 9:30am–4:30pm
 Saturday: 10:00am–4:00pm (May–Oct.)
 Saturday: Noon–4:00pm (Nov.–Apr.)