

STEM CENTER

MONTHLY CHALLENGES

MOXIE'S CREATOR CLUB

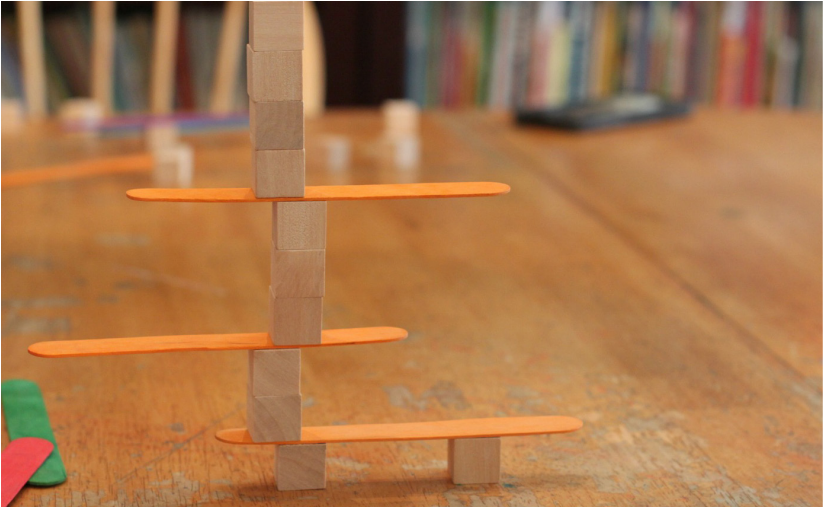


Every Wednesday a new STEM Challenge will be presented in the STEM Center. Everyone who participates in the weekly challenge will earn a Moxie sticker for trying out the activity. The **top builders** each week will earn a Moxie Creator Club Medal to keep, displaying an image of Moxie on the front and Howmet on the back.



MUSKEGON MUSEUM
OF HISTORY & SCIENCE
of the Lakeshore Museum Center

SEPT./OCT. BALANCE CHALLENGES		
Date	Description	Type
Sept. 13th - Sept. 19th	Platforms: Build a stable structure to withstand the most weight.	Weight
Sept. 20th - Sept. 26th	Bucket Towers: Use straws and string to suspend a cup. How much can it hold?	Weight
Sept. 27th - Oct. 3rd	Stacking Beams: Find balance using sticks and washers.	Weight



Like us on Facebook, or visit our website to stay up to date on other programs and events happening at the museum:

www.lakeshoremuseum.org

 /MuskegonMuseum

OCT. TAKE FLIGHT CHALLENGES		
Date	Description	Type
Oct. 4th - Oct. 10th	Straw Rockets: Attach your rocket to a balloon and fly it across the room.	Timed
Oct. 11th - Oct. 17th	Airplanes: Design a paper plane for maximum distance.	Distance
Oct. 18th - Oct. 24th	Paper Helicopters: Design a helicopter for maximum distance.	Distance
Oct. 11th - Oct. 17th	Rocket Cups: Create a rubber band-propelled rocket cup.	Height



The STEM Center will be open during regular museum hours:


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

ADMISSION IS FREE FOR MUSKEGON CO. RESIDENTS & MUSEUM MEMBERS / \$5 FOR NON-RESIDENTS.
430 W. CLAY AVE. / MUSKEGON, MI 49440 / (231) 722-0278 / WWW.LAKESHOREMUSEUM.ORG

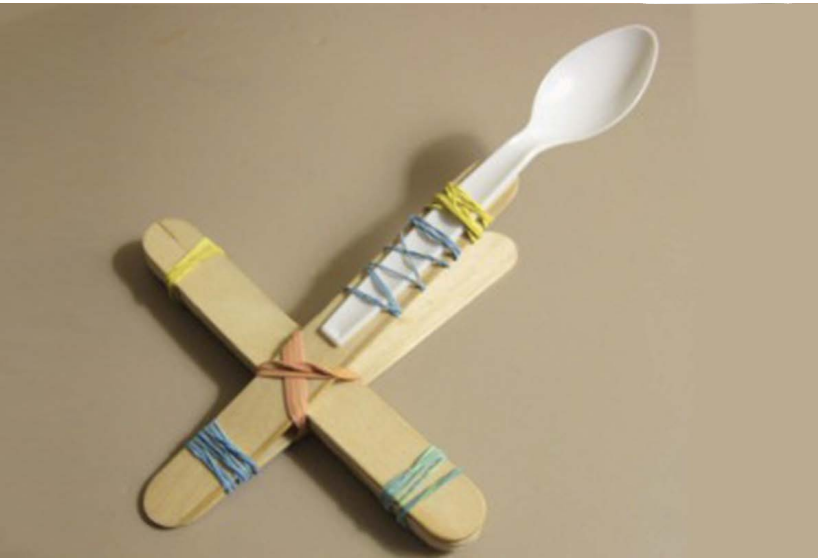
NOV./DEC. BOAT CHALLENGES		
Date	Description	Type
Nov. 1st - Nov. 7th	Paddle Propelled Boats: Make a rubber band-powered boat.	Distance
Nov. 8th - Nov. 14th	Sail Boats: Use the breeze of a fan to cross a stream.	Distance
Nov. 15th - Nov. 21st	Duct Tape Boats: Construct a sturdy duct tape boat.	Weight
Nov. 22nd - Nov. 28th	Tin Foil Boats: Construct a sturdy tin foil boat.	Weight
Nov. 29th - Dec. 5th	Origami Newspaper Boats: Construct a sturdy newspaper boat.	Time/Weight



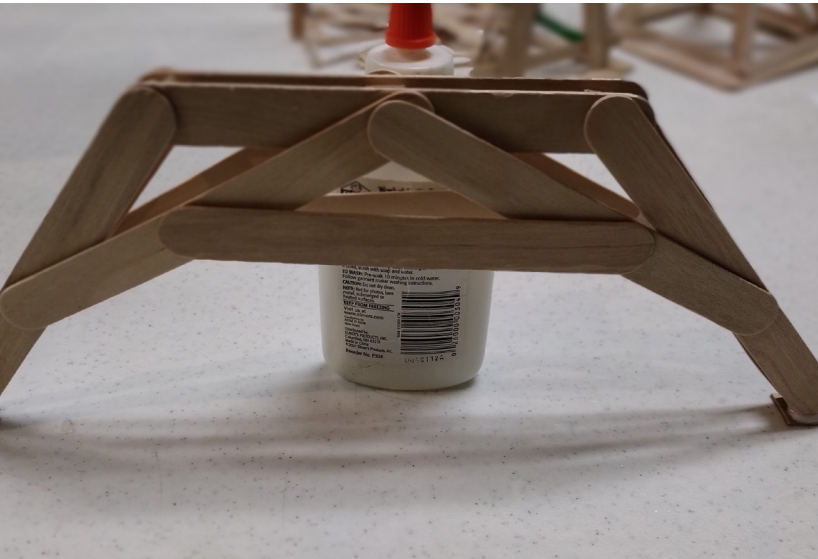
Like us on Facebook, or visit our website to stay up to date on other programs and events happening at the museum:

www.lakeshoremuseum.org
 /MuskegonMuseum

DEC./JAN. POPSICLE CREATIONS CHALLENGES		
Date	Description	Type
Dec. 6th - Dec. 12th	Catapult Launchers: Test your skills! How far can you launch a puffball?	Distance
Dec. 13th - Dec. 19th	Rubber Band Powered Cars: Use bottle caps, sticks, and a rubber band to make a car.	Distance
Dec. 20th - Dec. 26th	Bow and Arrows: Craft a bow and straw arrows.	Distance/Shot
Dec. 27th - Jan. 2nd	Strongest Bridges: Test arch, suspension, and truss bridges to see which one is strongest.	Weight



The STEM Center will be open during regular museum hours:
 Monday–Friday: 10:00am-4:00pm
 Saturday: 10:00am-4:00pm (May–Oct.)
 Saturday: Noon-4:00pm (Nov.–Apr.)



Sponsored by

