

# BE A MAKER FIELD TRIPS

## Mega Fort (K4-4th grade)

**\$10 per child**

Who wants to build a fort? Using real building materials, participants can construct (and maybe demolish!) structures they design with a group. This program is a great team building experience!

**Wisconsin Standards for Technology and Engineering:** AC1.a.2.e, AC1.b.3.e, BB1.f.2.e, ENG3.a.2.e, ENG.a.3.e

**Wisconsin Standards for Science:** SCI.CC6.K-2, SCI.SEP1.A.3-5, SCI.SEP1.B.3-5, SCI.ETS3.C.3-5

**NGSS Standards:** K-2-ETS1-1, K-2-ETS1-3, 2-PS1-3, 3-5-ETS1-1, 3-5-ETS1-3

**Wisconsin's Model Early Learning Standards:** *Health and Physical Development:* B.EL.2 · *Language Development and Communication:* A.EL.2 · *Approaches to Learning:* A.EL.2, A.EL.3 · *Cognition and General Knowledge:* A.EL.3, B.EL.3, C.EL.1, C.EL.3, C.EL.4

## Fluid Formations (K4-4th grade)

**\$12 per child**

Chemical reactions are all around us. Using chemistry, participants will discover that common household items can be transformed into ooey gooey creations. Take-home recipes are included.

**Wisconsin's Model Academic Standards for Art and Design Education:** I.4.7

**Wisconsin Standards for Science:** SCI.CC7.K-2, SCI.SEP1.A.K-2, SCI.SEP1.A.3-5, SCI.PS1.A.2, SCI.PS1.B.5

**NGSS Standards:** 2-PS1-1, 3-5-ETS1-1, 4-PS3-2

**Wisconsin Model Early Learning Standards:** *Language Development and Communication:* A.EL.1 · *Approaches to Learning:* A.EL.1 *Cognition and General Knowledge:* A.EL.1, B.EL.6, C.EL.1, C.EL.3, C.EL.4

## robART (K4-4th grade)

**\$15 per child**

Participants can learn about circuitry while designing and building their own art-generating robot to take home. Before they go, they can unleash them in the *Be A Maker* space to create a collaborative drawing.

**Wisconsin Standards for Technology and Engineering:** AC1.e.5.e, BB1.c.1.e, ENG5.b.3.e

**Wisconsin's Model Academic Standards for Art and Design Education:** I.4.7

**Wisconsin Standards for Science:** SCI.SEP1.A.K-2, SCI.SEP1.A.3-5, SCI.SEP2.A.K-2, SCI.SEP2.A.3-5, SCI.ETS3.C.K-2, SCI.ETS3.C.3-5

**NGSS Standards:** K-2-ETS1-2, 2-PS1-3, 3-5-ETS1-1, 3-5-ETS1-3, 4-PS3-2, 4-PS3-4

**Wisconsin Model Early Learning Standards:** *Health and Physical Development:* B.EL.2 · *Approaches to Learning:* A.EL.2, A.EL.3, B.EL.1 *Cognition and General Knowledge:* A.EL.3, C.EL.1, C.EL.3, C.EL.4

## Blastoff! (K4-4th grade)

**\$13 per child**

Participants can learn the importance of design iterations as they build and test-launch their very own rockets. This STEAM program is great for problem-solving and discovering the principals of physics.

**Wisconsin Standards for Technology and Engineering:** AC1.d.1.e, AC1.e.2.e, ENG1.a.1.e, ENG3.a.3.e

**Wisconsin Standards for Science:** SCI.SEP2.A.K-2, SCI.SEP2.A.3-5, SCI.PS2.A.K, SCI.PS2.A.3, SCI.ETS3.C.K-2, SCI.ETS3.C.3-5

**Next Generation Science Standards (NGSS):** K-PS2-1, K-2-ETS1-2, K-PS2-2, 3-5-ETS1-1, 3-5-ETS1-3

**Wisconsin Model Early Learning Standards:** *Health and Physical Development:* B.EL.2 · *Language Development and Communication:* A.EL.3 · *Approaches to Learning:* A.EL.2, A.EL.3, B.EL.1 · *Cognition and General Knowledge:* C.EL.3, C.EL.4



## Playground Engineers (K4-2nd grade)

### \$10 per child

Utilizing the six simple machines, participants can design and build a pretend playground with one-of-a-kind slides, swings and more.

**Wisconsin Standards for Science:** SCI.CC5.K-2, SCI.SEP2.A.K-2, SCI.SEP2.A.3-5, SCI.SEP3.A.K-2, SCI.SEP3.A.3-5

**NGSS Standards:** 2-PS1-3, 3-PS2-2, 3-5-ETS1-3

**Common Core State Standards for Mathematics:** 1.G.1, 1.G.2

**Wisconsin Model Early Learning Standards:** *Approaches to Learning:* A.EL.2, A.EL.3 · *Cognition and General Knowledge:* A.EL.3, C.EL.1, C.EL.3, C.EL.4

## Construction Zone: The Power of Shapes (K4-2nd grade)

### \$10 per child

Using the scientific method, participants will explore the strength of shapes and experiment with basic engineering concepts as they design, build and test their own mini bridges.

**Wisconsin Standards for Science:** SCI.SEP1.A.K-2, SCI.SEP3.A.K-2, SCI.SEP4.A.K-2, SCI.ETS2.A.K-2, SCI.ETS3.C.K-2

**NGSS Standards:** K-2-ETS1-3, 3-5-ETS1-2, 3-5-ETS1-3

**Common Core State Standards for Mathematics:** K.G, 1.G.1, 1.G.2, 2.G.1, 3.G.1

**Wisconsin Model Early Learning Standards:** *Cognition and General Knowledge:* B.EL.1, B.EL.3, B.EL.5, C.EL.1, C.EL.2, C.EL.3, C.EL.4

## Our Five Senses (K3-1st grade)

### \$10 per child

We gather information from our five senses, and everyone perceives sight, smell, sound, touch and taste differently. Participants will learn how their senses keep them safe and how each sense contributes to their ongoing health and wellness.

**Wisconsin Standards for Science:** SCI.SEP1.A.K-2, SCI.PS4.A.1

**NGSS Standards:** 1-PS4-1

**Wisconsin Model Early Learning Standards:** *Cognition and General Knowledge:* A.EL.1, B.EL.6, C.EL.1, C.EL.3 · *Health and Physical Development:* C.EL.1

