

Organization	Name of Exhibit	Activity
Grout Museum District	Grout Museum District	Participants will have the opportunity to engage with live animals from the Bluedorn Science Imaginarium and create a clothespin butterfly to take home.
Keystone AEA	Osmo	Experience Osmo - an award-winning game system that will change the way your child interacts and learns with the iPad by opening it up to hands-on play. Osmo sets can be checked-out by schools through Keystone and include Tangrams, Numbers, Words, Coding and more!
ITC Midwest	ITC Midwest- Electric Transmission Utility	ITC Midwest will provide hands-on activities using 'Energy Sticks' and 'Snap Circuits' to demonstrate energy concepts.
Iowa State University Extension and Outreach	Native Bee Challenge	Hands on activities to learn about native bees.
Green Iowa AmeriCorps	Energy Efficiency in Your Home	We are going to bring a light board with incandescent, CFL and LED light bulbs where kids and parents can turn them on to see how much energy it uses to use each of the bulbs and to compare their energy efficiency. There is also a place where phones and chargers can be plugged in to compare their usage as well. Then we will talk about simple ways to become more energy efficient within someone's home.
CUSB Bank	CUSB Bank Cupcake Shop--Learning Check Writing and Banking Basics	The kids will be given a check register with a balance in it. They will be given other bills to write into their register to find out how much money they have left for a cupcake purchase. They will then order the cupcake that will fit into their budget. Then, they will learn how to write a check, will write it in the register, balance their register, and will get to eat their cupcake that they purchased.

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Keystone Area Education Agency	Robots	Kids will explore different robots and their movement. A variety of robots with different sizes and shapes will be available for them to drive. Examples of programming will be shared.
Regional Health Service of Howard County Laboratory	RSHHC Laboratory	We will be describing different things you can do in the medical laboratory. Fun facts about blood. We will bring a microscope so kids can look at blood on a slide under the microscope. Also plan to bring a model of the size comparison of red blood cells, white blood cells and platelets within the body using craft supplies.
UIU Computer Sciences	James Jacobs	Basic programming with Robotics Augmented Reality and video games Encryption / Decryption of messages Basic Electronics and Computer Components
MiEnergy Cooperative	Light Up Your Life	We will have two hands on displays. One will be a Hand Pedal Power Generator and the other will be a lighting comparison and Lighting color comparison where participants can interact.
Girl Scouts of Eastern Iowa and Western Illinois	Design Thinking with the Girl Scouts	The participants will be building with Hy-par building blocks to practice spatial sense and the design process.
Howard-Winneshiek CSD	Crestwood Robotics	We will have students drive a FIRST Robotics competition robot and conduct a parts/system identification search.
IowaWORKS	Future Ready Iowa	We will have a selfie portrait area with STEM careers, What are your dream jobs and a wheel to spin for STEM careers.

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Iowa Speedway	Iowa Speedway	As part of NASCAR's Acceleration Nation, we teach kids about the 3 D's of speed which are drag, downforce, and drafting. To emphasize drag and downforce, we bring a ramp and let kids make LEGO cars to show the effects of more or less drag, and more or less downforce and the affect it has on the speeds of their cars.
Northeast Iowa Community College	Nursing	We will have needle less syringes and colored water for students to measure fluid.
Iowa Public Television	Puzzling Patterns	Students will have an introduction to geometry through these pattern block puzzles. The puzzles focus on shape recognition, applying transformations and describing the qualities of different geometric shapes. For the older students, these puzzles will foster a beginning recognition of how different angles fit together as well as using spatial memory and visualization. Students will use all of these skills while figuring out the placement, orientation, and qualities of each shape to successfully
UNI STEM	CSI	A UNI Mascot has been Panthermapped! Use multiple areas of science and technology to analyze the evidence left at the scene of the crime and reunite us with our beloved Panther!
NICC	NICC	I will set up a demonstration of what a cell membrane's structure looks like using supplies I have
Regional Health Services Of Howard County	Video motion analysis of sports performance	I-pad for recording, a 12 inch platform to jump off and land. 15' to 20' area to simulate throwing.
A&W	A&W	Showcase automated fast food training model and have the RootBear.