

Exhibit Topic	Standard	Standard	Standard	Pre-Activity Example	Post activity Example
Design a Car Activity	3-5-ETS1-3 Plan and carry out fair tests in which variables are controlled and failure points are considered to identify aspects of a model or prototype that can be improved.	MCDM Target 2: Academic Connection Connect academic content to Michigan career zones and embed it across the curriculum.	MCDM Target 3: Career Awareness Engage students in career awareness activities.	Measurement with Marbles	Design a Racecar - Forces and Motion Final Project (Grade 3 Science)
Circuit Exhibit	3-PS2-3 Ask questions to determine cause and effect relationships of electric or magnetic interactions between two objects not in contact with each other.	MCDM Target 2: Academic Connection Connect academic content to Michigan career zones and embed it across the curriculum.	MCDM Target 3: Career Awareness Engage students in career awareness activities.	Snap circuit solar - Review safety(pg 9), educational corner(pg. 15)	Snap circuit solar - use Current Direction (pg. 41) to analyze a cause and effect relationship
Wind Tunnel Exhibit	3-PS2-1 Plan and conduct an investigation to provide evidence of the effects of balanced and unbalanced forces on the motion of an object., 3-PS2-2 Make observations and/or measurements of an object's motion to provide evidence that a pattern can be used to predict future motion.	MCDM Target 2: Academic Connection Connect academic content to Michigan career zones and embed it across the curriculum.	MCDM Target 3: Career Awareness Engage students in career awareness activities.	Make a Whirlybird from Paper STEM Activity	How to Make a Paper Airplane with Launcher that Flies Far
Refinement Lab	3-5-ETS1-2 Generate and compare multiple possible solutions to a problem based on how well each is likely to meet the criteria and constraints of the problem.	MCDM Target 2: Academic Connection Connect academic content to Michigan career zones and embed it across the curriculum.	MCDM Target 3: Career Awareness Engage students in career awareness activities.	Marshmallow Catapult	Build the Best Paper Bridge STEM Activity
Tiny Technology	3 – G4.0.1 Describe major kinds of economic activity in Michigan today, such as agriculture, forestry, manufacturing, services and tourism, and research and development, and explain the factors influencing the location of these economic activities.	3 – E2.0.1 Using a Michigan example, explain how specialization leads to increased interdependence.	ELA - Research - 1, Craft and Structure - 4,5 - Nano-products in the News	Amorphous Solids MRSEC: The Center for Nanoscale Science	Exploring Size—StretchAbility Game
Quality Control	3-5-ETS1-2 Generate and compare multiple possible solutions to a problem based on how well each is likely to meet the criteria and constraints of the problem.	MCDM Target 2: Academic Connection Connect academic content to Michigan career zones and embed it across the curriculum.	MCDM Target 3: Career Awareness Engage students in career awareness activities.	Quality control pre-activity	Playground Shade Challenge