

# Transportation Engineering ~ Activity Schedule

6 & 8-Week Session: After School STEM Club (K-5) ~ BHK Session 3 & MTU After-School Class

#	Activities	Hannah Cunningham		Erin Richie		Maria Corona
	* = Instructor responsible for making sure lesson is ready, assembling activity box of supplies, clearly labeling, and putting away supplies and/or kit after all have used it.  Filler: Magnatiles available in cabinet	Monday GLRC	Tuesday So. Range	Tuesday L'Anse	Wed Barkell	Thursday Dollar Bay
1 Week of Jan. 23	<b>Lesson #1:</b> What Is Transportation? (intro) Let's Communicate: LEGO Match Activity Brain Saver – design helmet for your egg head <i>Optional:</i> Invite BIKE! club to come in and show variety of bikes and talk about bike safety	1*	1	1	1	1
2 Week of Jan. 30	<b>Lesson #2:</b> Engineering design process Design foil/ clay boat to hold the most weight Opener/Filler: What Does a Mariner need? Opener/Filler: Parts of ship poster Opener/Filler: Ship Talk (match terms & def'ns)	2*	2	3*	3	2
3 Week of Feb. 6	<b>Lesson #3:</b> Stop That Truck: traffic barriers Make Traffic Signs (optional, if time)	3	3	2	2	3
4 Week of Feb. 13	<b>Lesson #4:</b> Airplane Spinners Make Hoop Gliders	4	4	6*	6	4*
5 Week of Feb. 20	<b>Lesson #5:</b> Rail: Maglev Track Filler: Engineering Charades	5* <i>David Nelson will present</i>	5	4	4	5
6 Week of Feb. 27	<b>Lesson #6:</b> Opener: Against the Wind (optional) Puff Mobile Cars Opener/Filler: Speed Detector (pick up from Dr. Bill Sproule in 301C Dillman Hall)	6	6	5	5	6
7 Week of March 13	<b>Lesson #7:</b> Make Bridges w/ Marshmallow & Toothpicks Opener/Filler: Play Red Light, Green Light Opener/Filler: Paper Bridge		8	7*	7	8*
8 Week of March 20	<b>Lesson #8:</b> Gravity, Air and Egg Filler: Paper airplanes		7	8	8	7
9	<b>Alternate Lesson:</b> Five Points Traffic Jam Lesson					
10	<b>Alternate Lesson:</b> Run-Away Puck: roads & friction					