

If I Built a Car- Creation Crate Junior TechCards Dragsters



Activity Title:	If I Built a Car - Tech Cards Dragsters
Timeframe:	~2 Hours
Big Ideas and/or Essential Questions:	How can I design a car that will travel the greatest distance?
PA Standards:	Next Generation Science Standards Practices • Developing and using models • Designing solutions for engineering
Learning Target(s):	- I can use the Engineering By Design process. - I can create a car that will travel the greatest distance.
Materials:	• Book: Going Places By: Peter and Paul Reynolds • Creation Crate Junior Tech Card Dragster Kit (One per students): https://www.creationcrate.com/order-junior • Yardstick and/or Tape Measure • Student Log (One Per Student)
Activity Procedures:	1. Read aloud "Going Places" By: Peter and Paul Reynolds. 2. Tell the students that they are going to be creating their own dragster using a special kit. 3. Every students will receive a pre-packed dragster kit from TechCards. 4. Students will decorate the recycled cardboard using the markers. 5. The students will assemble the dragsters. Students can follow the instructions provided by Creation Crate Junior. 6. The students will alter different aspects of the dragsters. For example, the students can change the distance between the axles. Students can add different objects to weigh down the back of the car. Some students might wind the rubber band

	tighter from one attempt to another. 7. Whenever students make an adjustment to the cars then the students should measure the distance that the car traveled. 8. The students will log the distant and the students will make notes about how they altered or changed the dragster.
Assessments:	The teacher can observe the students throughout the lesson. The teacher can review the students' logs.

STEM Challenge: Dragster Log

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