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 Stratton Elementary School (Arlington)
 5th Grade

	Concept	Activity
Week 1	Engineering Design Process	Catapults
Week 2	Sturdy Building/Testing	Catapults
Week 3	Following a Design outline & Building	Mars Rovers (Build NXT car) *cotton ball-pusher
Week 4	Redesign & Design specification	Finish building rovers, lesson on purpose/uses of Mars Rover *redesign Rovers to fit the purpose
Week 5	Intro to Programming	Human Robot, Talk about sensors, Demonstrate concepts
Week 6	Touch Sensor Programming	Mars Exploring (Build a bumper and have the car stop when it hits a wall) *reverse the car and turn it around if it hits a surface
Week 7	Light Sensor Programming	Water on Mars (have the car stop when it reaches a piece of blue construction paper) *have the light go off
Week 8		Final Project TBD (Obstacle course)
Week 9		Final Project TBD (Obstacle course)

*challenge if groups finish early