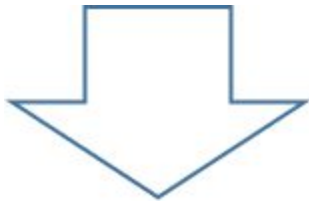


READY TO PATENT: SEQUENCE OF ACTIVITIES (DSCS MIDDLE SCHOOL)

- One-day construction assignment (students built rovers from cardboard)
(Science teacher)
- Construction of (a different) device meant to pick up “resources” and place them in a container
(Science teacher)
- “What is design thinking?” lessons from Youtube videos, and discussion around the meaning of Engineering Design and how vocabulary aligns with formalized sequential steps in design
(Middle School teacher I)
- Assessment rubric - have students assess 3 rovers using the rubric
(Middle School teacher II)
- Concept development
 - Design a problem
 - Imagine a solution
 - Design the solution as a pre-prototype concept and drawing
 - Construction time in groups of up to 3 students

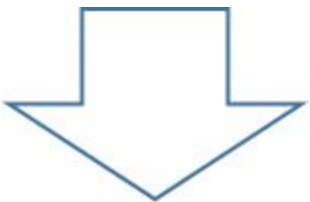
(Middle School teachers)



- Build and test
(All teachers and support workers)
- Prototype iterations of the design
(All teachers and support workers)
- Final presentation to teachers
(parents invited)

OUR CATAclySMIC PLANET: SEQUENCE OF ANCHOR LESSONS (DSCS MIDDLE SCHOOL)

- Literature circles with Survival as the topic
(led by Language/Science teacher)
- Cosmic events and their effect on Earth
(Middle School teacher I)
- Plate tectonics
(Middle School teacher II)
- Earth's changing climate ... and large weather events
(Middle School teacher I)
- Erosional and depositional land formations
(Middle School teacher II)
- Science labs about chemical weathering, freeze-thaw weathering, rocks and minerals
(Science teacher)
- Building code and destructive testing (for earthquake preparedness)
(Shop teacher)
- First Peoples knowledge of large scale changes in the past:
 - Local geological formations
 - Significant local geological events(Aboriginal Student Support Worker)
- Fossil record, geologic time, and evidence of biodiversity
(support teacher)



PROJECT ASSIGNMENT: Design and build and survival kit in preparation for a physical cataclysm (of your choice).