



# Examples of Children's Learning: Year Five Term 2: Space Buggies

## Term 2 Design & Technology: Mechanisms: Space Buggies

**PRIME DESIGN PROCESS:**

### Our Learning Journey:

1. Identify the problem & research existing ideas

➔

2. Ideas: Design space buggies & create list of equipment

➔

3. Make the chassis

6. Create scissor-mechanism arm

➔

5. Make a mechanism for an arm

➔

4. Make and attach the wheels

7. Test and Evaluate

➔

➔

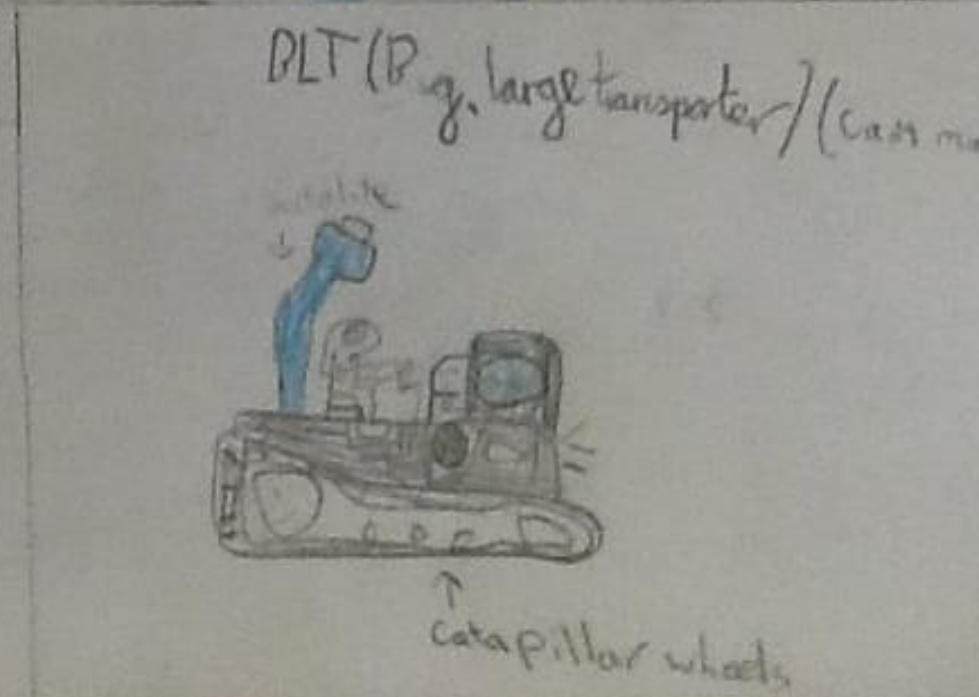
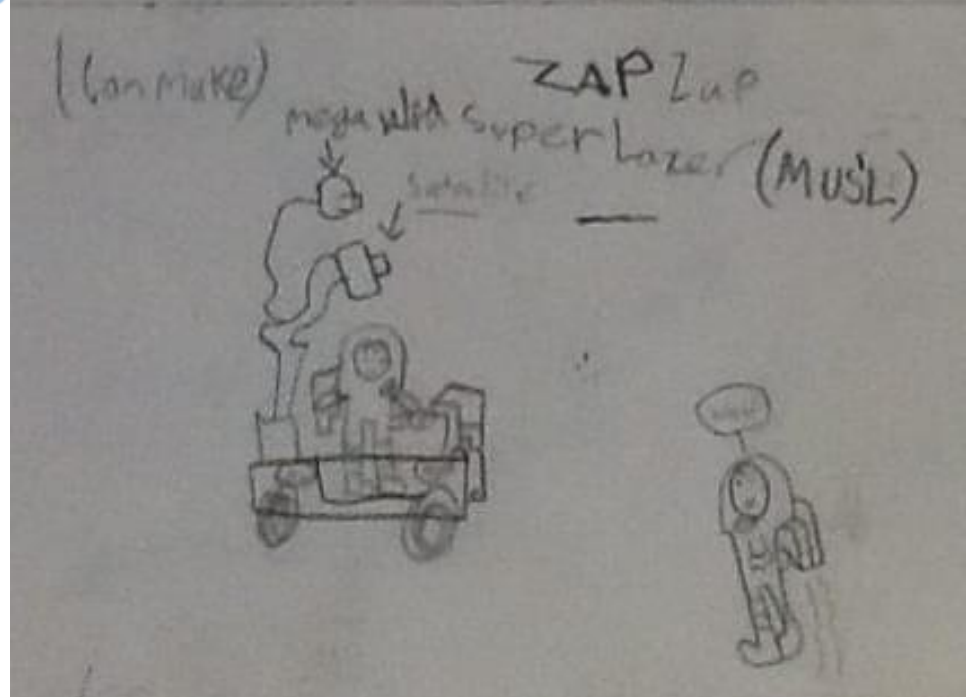
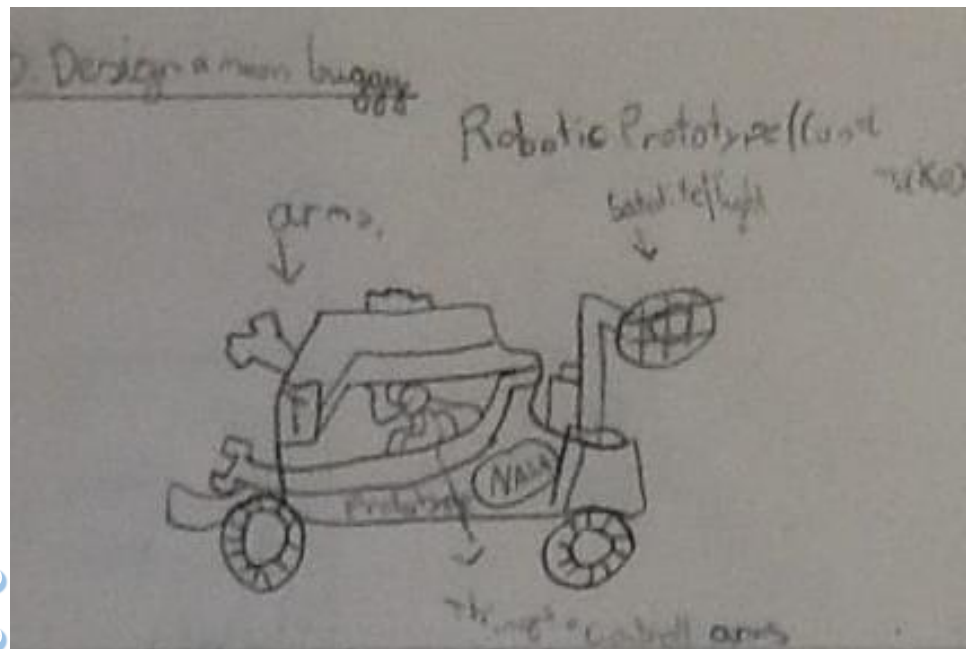
### Our Outcome:

We will follow the PRIME design process to design, make and evaluate a prototype for a space buggy to explore planets!

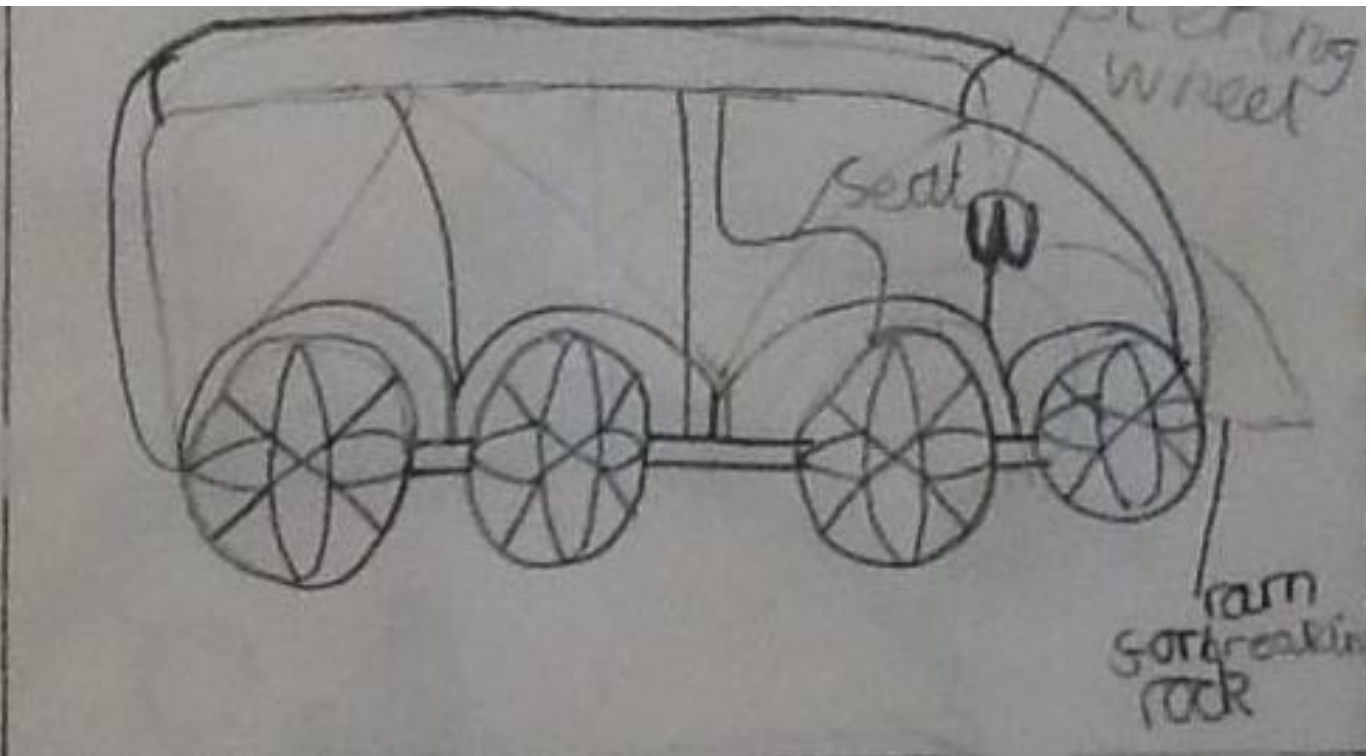
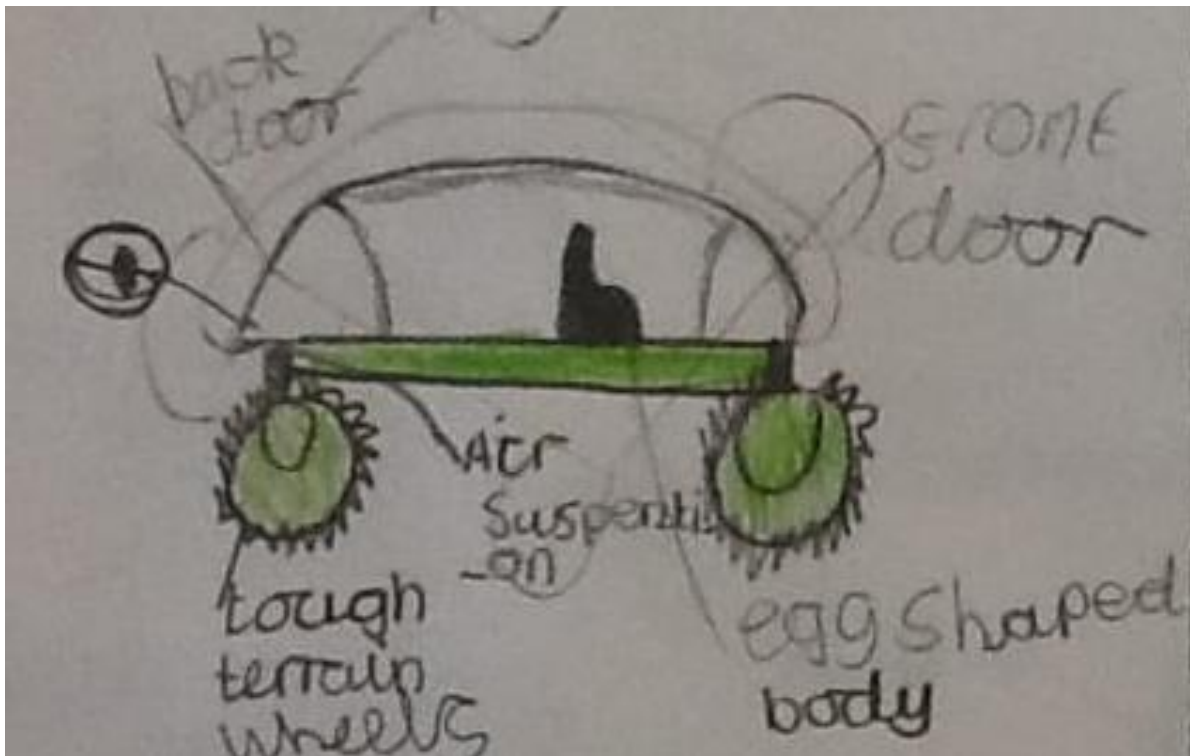
The Big Six Vocabulary:

|            |           |
|------------|-----------|
| rover      | chassis   |
| compressor | actuator  |
| pneumatic  | hydraulic |

# Lesson 2: Ideas



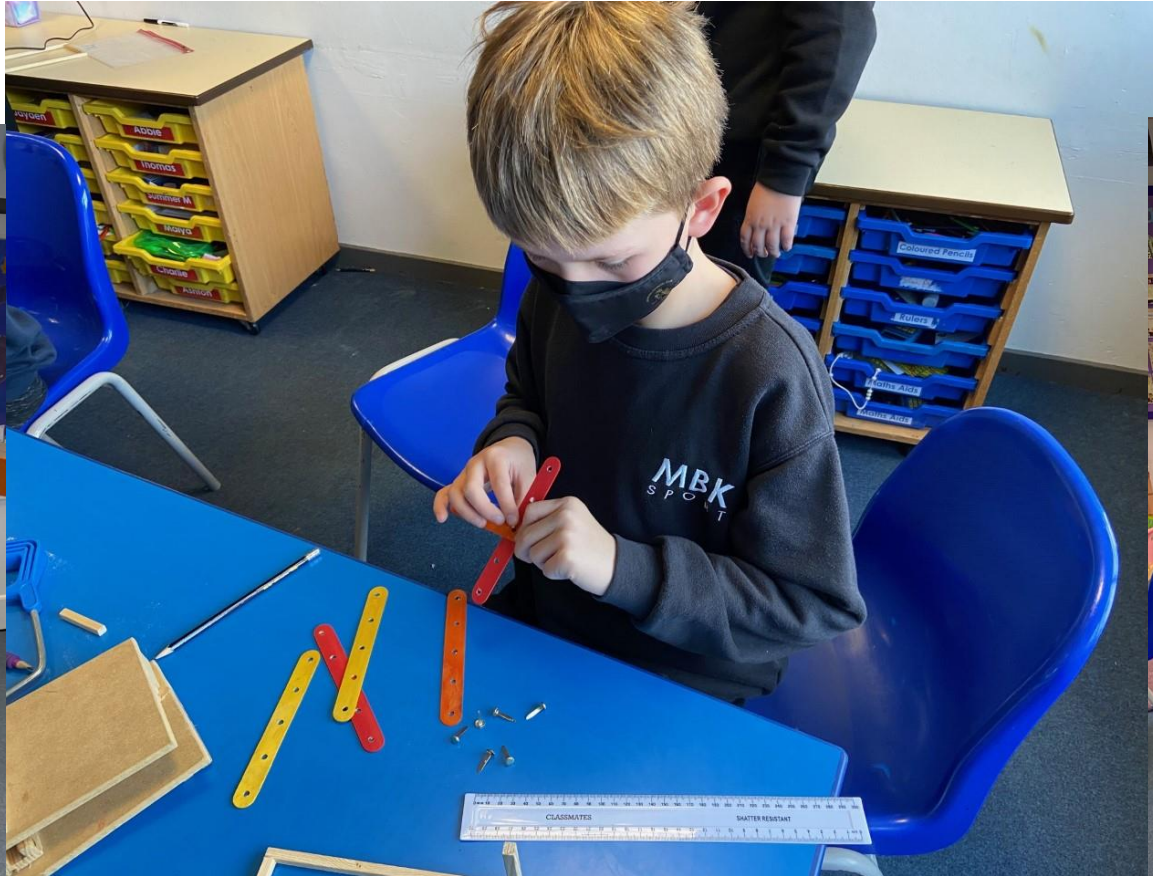
# Lesson 2: Ideas



# Lesson 3: Chassis



# Lesson 4: Scissor Arm



# Lesson 4: Scissor Arm



# Lesson 5: Hydraulic Scoop



# Lesson 6: Moving Parts





