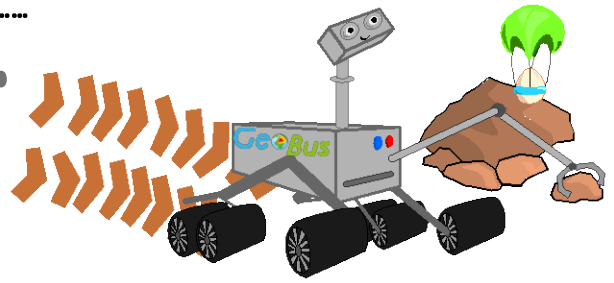


Name: ..... Date .....

# Landing a Rover On Mars



Draw a sketch of your landing pod design in the space below:

Make a note of the materials you will need:

.....

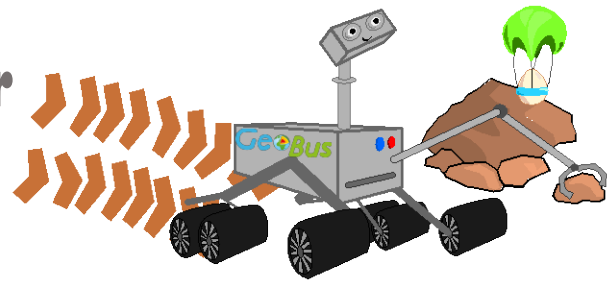
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# Landing a Rover On Mars



*Reflection is a very important part of the design process – understanding and thinking about what has gone wrong is the best way to make sure that a future attempt is more successful. This is particularly true with planning and designing Mars missions because of the time and money involved in the process. Scientists have studied all of the past landings on Mars (some have been successful, some have failed!) and use this knowledge in future planning – for example in the design of the European Space Agency ExoMars 2020 lander.*

## Reflection Questions:

1. What was the best feature of your landing pod?

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2. Did your landing pod successfully protect its cargo? Explain.

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3. If you had the chance to re-design another landing pod, what changes would you make?

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**Extension:** *When landing teams are planning a rover mission, they also need to choose a safe place for the rover to land where the terrain is consistent and without too many obstacles. Consider what things they might have to consider and what design modifications they might have to make.*

