Command module landing investigation planner

**Year 6**

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| **What are you going to investigate?**  Can you write it as a question? | | **What do you predict will happen? Why?**  Give scientific explanations for your prediction. | |
| **To make this a fair test what things (variables) are you going to:** | | | |
| **Change?**  Change only one thing. | **Measure?**  What would the change affect? | | **Keep the same?**  Which variables will you control? |
| **Describe how you will set up your investigation**  Write, draw or upload a photo of your drawing.  Consider what your command module will look like, what you will put in it to mimic the weight of the astronauts and equipment, and your parachute design. | | | |
| **What equipment will you need?**  Use dot points and/or diagrams. | | | |
| **Write and draw your observations in your science journal.** | | | |

**Recording and presenting results**

Record your results in a table.

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| --- | --- | --- | --- |
| **Parachute design** | **Drop time Test 1** | **Drop time Test 2** | **Drop time Test 3** |
| Design 1 (describe) |  |  |  |
| Design 2 (describe) |  |  |  |
| **Average drop time** |  |  |  |

**Explaining results**

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| Which parachute design had the slowest drop time? Why do you think that happened? |
| Did the result match your prediction? Explain why and how it was different. |

**Evaluating the investigation**

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| What challenges did you experience doing this investigation? |
| How did you, or could you, overcome them? |
| How could you improve this investigation? (fairness/accuracy) |