STEMS: Robotics

Lesson 11: generating creative ideas (brainstorming and **analysing ideas**)

Robot Profiles: Based on the disability or aged care issue identified in the statement of intent. (What robots might be able to help solve the problems identified?) Don't forget to video for your diary.

Criteria for building robot (To help with generating your ideas/profiles) USe more space for sketching if required.

* use the pieces and features available
* has to built by the end of this topic
* safe
* limited budget
1. Research and use previous lessons to complete 3 different profiles. Sketch each robot labelling its features (individual) 2 group members = 6 profiles
2. Discuss with group members advantages and disadvantages for each person's robot profile (group)
3. Group decides which profile to build and justifies their selection based on provided criteria.

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| Robot Profile |  |
| 1. Sketch
 | Robot name: Materials used for actual robot not Lego prototype: Power source:Method of movement:Advantages:Disadvantages:  |
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 | Robot name: Materials used for actual robot not Lego prototype: Power source:Method of movement:Advantages:Disadvantages:  |

Group decides which profile to build and justifies their selection based on provided criteria. Look at each team members profiles and make a selection. Which profile and why?

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