

Teacher notes

Curriculum links

Mathematics level 9 & 10

- Compare data displays using mean, median and range to describe and interpret numerical data sets in terms of location and spread

Science level 9 & 10

- Formulate questions or hypotheses that can be investigated scientifically, including identification of independent, dependent and controlled variables
- Use knowledge of scientific concepts to evaluate investigation conclusions, including assessing the approaches used to solve problems, critically analysing the validity of information obtained from primary and secondary sources, suggesting possible alternative explanations and describing specific ways to improve the quality of data
- Communicate scientific ideas and information for a particular purpose, including constructing evidence-based arguments and using appropriate scientific language, conventions and representations

Learning intention and success criteria

Learning intention

To analyse the effect of exercise on memory.

Success criteria

- ✓ Collect baseline and experimental data.
- ✓ Compare and analyse the primary data collected.
- ✓ Display data in column graph and interpret results.
- ✓ Conclude as to whether exercise has a positive or negative impact on brain function and memory.