

Mindz Brainplay

Fun Neuroscience
DET provider number 0100392629



Costs for schools & syllabus links (as at August 14, 2017)

Recommended session times per group (depending on school timetables):

Years 5 and 6: 50-60-minute session (+ 60 minute 'EEG Control' session if desired)

Years 7-10: 60-75-minute session | **Years 11-12:** 60-90-minute session

Format:

Small or large group presentation depending on school needs. Mindz can present to a small group (<8) where every student will get a 'turn' or to larger group where several students show what is possible.

For all groups we need to connect to a large TV or data projector. For large areas, a sound system is needed. We can supply a data projector and sound system if necessary at no extra cost.

For years 7-12 (stages 4, 5 and 6), we've found that groups of students are happy to watch 5-7 'demonstrators' show what is possible using the EEG headsets. A 60-90-minute session is usually fine.

For years 5/6 (stage 3), we've found that while we get 6-8 students to demonstrate, nearly **EVERY** student in a class wants to have the experience. We can provide an extra '**EEG Control**' session to give up to 20 additional students the chance to see their brain activity. See costs below.

Costs

We operate on a flat fee basis. We can do **one session** with your students, a **half day** or a **full day** presenting to many groups. We are flexible and will fit in with school needs. Regional schools booking for outside our tour schedule will pay a small additional travel fee depending on location.

Cost - single session (up to 75 mins): Small / large group format: \$290 + gst

Cost - half-day (3 hours): We can present two or three sessions: \$450 + gst

Cost - full-day (6+ hours): We can present four or five sessions: \$750 + gst

Extra 'EEG Control' session: Where up to 20 extra students get to use the EEG to see their brain activity. Added to single session or half day bookings only: \$200 + GST

Mindz post-visit activity packs: We always give teachers a page of definitions and follow-up activities. However, we can also provide basic EEG headsets with matching experiments at extra cost. Please discuss this with us before our visit. (basic pack with experiments: \$190).

Contact us at schools@mindz.net.au

Regional schools

Please contact us for tour dates as we will be visiting NSW regions in terms 3 and 4, 2017. Email schools@mindz.net.au stating your school name.

Stages and Outcome points

Stage 3 Outcomes: Science incorporating technology	Stage 4 Outcomes: Working Scientifically	Stage 5 Outcomes: Working scientifically	Stages 4 and 5 Science Outcomes (Life skills)	Stages 4 and 5 Outcomes: Visual design	Stages 4 and 5 Outcomes: Photographic and digital media
Shows interest and enthusiasm (ST3-1VA)	Appreciates science (SC4-1VA)	Appreciates importance of science (SC5-1VA)	Recognises role of science (SCLS-1VA)	Wearable technologies / body adornment (points 5.1 – 5.6)	Investigates ideas for digital works (5.4)
Informed attitudes on future use of tech (ST3-3VA)	Finding solutions (SC4-2VA)	Scientific knowledge – energy transfer (SC5-11PW)	Working scientifically increases understanding (SCLS-2VA)		Stages 5 and 6 Outcomes: Textiles technology
Scientific understanding of electricity transfer (ST3-6PW)	Creates plausible solutions (SC4-8WS)	Biological understanding – society needs (SC5-14LW)	Science and tech has improved human health (SCLS-19LW)		Wearable technologies / body adornment (points 5.1 – 5.6)
Social influences on information and communication systems (ST3-15I)	Scientific Knowledge – energy transfer (SC4-11PW)	Undertakes first hand investigations (SC5-6WS) <i>Mindz post-visit activity</i>	Participates in investigation (SCLS-6WS) <i>Mindz post-visit activity</i>		
Investigates with testable questions (ST3-4WS) <i>Mindz post-visit activity</i>	Biological evidence (SC4-15LW)	Developed hypothesis to be tested (SC5-4WS) <i>Mindz post-visit activity</i>	Collects, records and interprets (SCLS-7WS) <i>Mindz post-visit activity</i>		
	Identifies questions and makes predictions (SC4-4WS) <i>Mindz post-visit activity</i>		Strategies to solve problems (SCLS8WS) <i>Mindz post-visit activity</i>		
	Follows instructions in Investigation (SC4-6WS). <i>Mindz post-visit activity</i>		Strategies to communicate information (SCLS-9WS) <i>Mindz post-visit activity</i>		

Stage 6: Senior Science and Biology

Mindz relates directly to **Senior Science 9.3.1: Bionics**.

Brain-computer interfaces like the EEG are progressively being used to drive prosthetic limbs. A prosthetic hand is shown and both traditional and future methods of driving artificial limbs are explained and demonstrated. Neuronal activity and communication is explained relating directly to the **Biology 'Communication' option**.