**UQ Summer Research Project Description - 2026**

*Please use this template to create a description of each research project, eligibility requirements and expected deliverables. Project details can then be uploaded to each faculty, school, institute, and centre webpage prior to the launch of the program.*

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| **Project title:** | **Metacognition in early adolescence**  |
| **Hours of engagement & delivery mode** | This project is suitable for a Summer Scholar and will run for 6 weeks between 12 Jan – 20 Feb 2026. Hours of engagement will be approximately 25 hours per week. The project will be primarily carried out on-site in the laboratory of Dr Natasha Matthews in the School of Psychology.  |
| **Description:** | Work in our research group is interested in understanding the development of metacognition during early adolescence. Metacognition can be considered as ‘thinking about thinking’ and involves the awareness, monitoring, and control of cognitions (Flavell, 1979). This skill is important for regulating learning and cognitive flexibility and undergoes a period of extensive development during the ages 10-15 years.Students undertaking this project would have the opportunity to be involve in two ongoing research streams:1. **The relationship between metacognition and classroom academic engagement.** In this project we will work together with teachers to develop tools to monitor metacognition in the classroom.
2. **Neural markers of metacognitive strategy use**. In this project we will use electroencephalography (EEG) to investigate neural events associated with the use of metacognitive strategies while performing cognitive tasks.
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| **Expected learning outcomes and deliverables:** | Scholars will gain skills in data collection, with a focus on cognitive data and electrophysiological (EEG) data. Scholars will also contribute to a literature review and the creation of study materials.  |
| **Suitable for:** | This project would be suitable for students with a background in psychology with an interest in developmental psychology or neuroscience. Students will need to hold a valid blue card.  |
| **Primary Supervisor:** | Dr Natasha Matthews |
| **Further info:** | Students may contact Dr Matthews for further information. n.matthews1@uq.edu.au |