

A UNIQUE STEM EDUCATION EVENT FOR STUDENTS AND TEACHERS

SCIENCE AT THE SHINE DOME JUNIOR

STUDENTS WILL:

- experience hands-on, inquiry-based science learning with a team of educators that inspires them in STEM
- collaborate as they are guided through the initial stages of a hands-on inquiry and devise solutions for a design brief
- share ideas about Science and Design and Technologies prompted through children's literature.



TEACHERS WILL:

- experience the Primary Connections approach including the 5E framework. This workshop models strategies that support STEM learning and affords teachers a unique professional learning experience
- observe how design principles are applied to create a design brief tailored to early learners of STEM
- leave with a toolkit of resources to embed the approach in classrooms.



This workshop addresses multiple areas of the Australian Curriculum, including:

SCIENCE

- Learn how a push or a pull affects how an object moves. (ACSSU033)
- Learn how different materials can be combined for a particular purpose. (ACSSU031)

DESIGN AND TECHNOLOGIES

- Explore the characteristics and properties of materials and components that are used to produce designed solutions. (ACTDEK004)

MATHEMATICS

- Compare and order several shapes and objects based on length, area, volume and capacity using appropriate uniform informal units. (ACMMG037)
- Describe the features of three-dimensional objects (ACMMG043)

ENGLISH

- Learn that different types of texts have identifiable text structures and language features that help the text serve its purpose. (ACELA1463)

- Engage with Science Inquiry Skills, explore Science as a Human Endeavour and the cross-curriculum priority of Sustainability, by identifying ways humans can manage and protect resources by reducing waste.

KEEN TO BE INVOLVED?

ACT primary schools are invited to nominate one teacher and two Year 2 students to attend this unique STEM Learning Experience, who will work together throughout the day as part of a team.

Date: Wednesday 5 June 2019

Venue: The Shine Dome, 15 Gordon St, Acton ACT 2601

Time: 9:30 am–2:00 pm. Optional free tours of the iconic Shine Dome will take place after 2:00 pm

Cost: Free

Registrations open Monday 29 April 2019 at www.primaryconnections.org.au/professional-learning

We acknowledge the Commonwealth Bank of Australia and its employees, who have made this event possible through the Grassroots Grants Scheme that aims to benefit ACT youth.

Commonwealth Bank



ELIGIBILITY

- As the event covers selected content from the Australian Curriculum Year 2, it is most suitable for Year 2 students. Year 1 and Year 3 students may be considered in the case of multi-age classes.
- Schools are strongly encouraged to send teachers who are generalist classroom teachers, Science Specialist teachers or Science/STEM Curriculum leaders in the school.
- Numbers are limited. Places will be allocated on a first come, first served basis. Schools will be limited to one teacher and two students each. Requests for additional allocation of spaces will be considered subject to availability.
- Primary Connections and the Australian Academy of Science are dedicated to upholding the values of fairness and equality and as such will seek to include representation from all education sectors.

RECESS AND LUNCH PROVISIONS

- An event of this nature presents challenges regarding food allergies and supervision requirements.
- We request that students and teachers bring their own snacks and lunch. As you may come into contact with others with unknown allergies, we also request that you do not bring foods that are the most common triggers for anaphylaxis, such as nuts, eggs and fish.

