GRANTS FOR STUDENT SCIENCE ENGAGEMENT EVENTS

What a great opportunity to engage your Middle Years students in 21st century STEM learning. The Australian government GRANT of up to $20,0000 for student science engagement in schools is available NOW until 29th April! https://www.business.gov.au/grants-and-programs/sponsorship-grants-for-student-science-engagement-and-international-competitions

Moore Educational can provide some guidelines for applying and implementing the project. Our idea is for your school to engage students in science with a school based robotic competition event. Purchase a class pack of LEGO Education SPIKE Prime sets, competition set and mat and we will provide your teachers with virtual training sessions to be confident to implement the project. Your students will engage in STEM learning while designing building and programming robots to complete the challenges. You just need to tweak it to suit your school's needs and be ready for some of serious fun.

Application example for Grades 5 to Year 10:

Project Title Examples

Create, Code, Community Challenge or Mission to Mars Challenge

D. 1 Brief Description Example: (750characters max)

Up to 72 students in year 5/6 will design, build, and program robots to participate in a relevant, real-world robotic competition to solve problems faced by our cities and towns or by astronauts on a mission to Mars.

Teachers will participate in a virtual professional learning session to be confident to implement the program.

A six-week skill development program will be implemented for students.

A competition day event will be held for the school community to showcase the student's skills.

D.2. Detailed Project Description Example:(5000characters max)

STAGE 1

Purchase 12 x SPIKE Prime robotics kits.

Teachers to attend a virtual professional learning session on implementing the robotics project in the classroom and running the competition.

STAGE 2

Students will engage in a six-week STEM skill development program to be confident to participate in the competition event. This will cover:

1. Making controlled movements with motors and a Gyro sensor.
2. Controlling movements with an Ultra Sonic sensor.
3. Following a line with a Colour sensor.
4. Building a competition robot as a team.
5. Moving things around with a robot
6. Mission Ready.

STAGE 3

Students will be introduced to the Create, Code, Community or Mission to Mars Competition.

1. Build the competition mat and outline the 10 challenges to the students.
2. Students, working in teams of 6, will have four weeks to design, build and program robots to complete the challenges.

STAGE 4

Engage the school community in the Create, Code Community or Mission to Mars Competition day where students will showcase their acquired STEM skills. This event is run at your school.

D.3.Projected Outcomes Example (5000 characters max)

Students will engage in STEM learning in a project-based activity. They will become confident to code and not just passive users of technology. Up to 72 grade 5/6 students will engage in the engineering process of designing robots, communicating, and evaluating to solve problems. This will foster a strong interest in STEM and result in greater motivation for students to learn to learn. The connection to real world problems, STEM skill building and collaborating as a team will help prepare students for their future in the 21st Century workplace.

School name:

School Code:

Project Duration

The project will run for 2 hours per week for 11 weeks or one school term from----------

Start date End date

D.5: Event Details:

Event title: Create, Code Community Challenge or Mission to Mars Challenge

Description: Robotic Competition Event

Start date:

End date:

Type: On school site.

D6 Project Location:

Address……

100% of project value undertaken at school

E. Project Budget Example

TYPE OF EXPENDITURE	HEAD OF EXPENDITURE	FINANCIAL YEAR	COST
SPIKE Prime Robotic Sets x 12*		2021	$5350 ex gst
USB Charging Hubs x 2		2021	$ 200 ex gst
Teacher PL		2021	$ 500 ex gst
Competition Mats x1*		2021	$ 300 ex gst
Competition day event materials ie banners, fliers		2021	$ 300 ex gst
TOTAL COST			$ 6650 ex gst
TOTAL No. STUDENTS			72

*The SPIKE Prime x 12 sets and Competition mats are purchased from Moore Educational.

Moore Educational
- Supplier of serious fun -

Contact Moore Education for further details:

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