

# STEM DSA Preparation Programme

## Road to Nationals 2024



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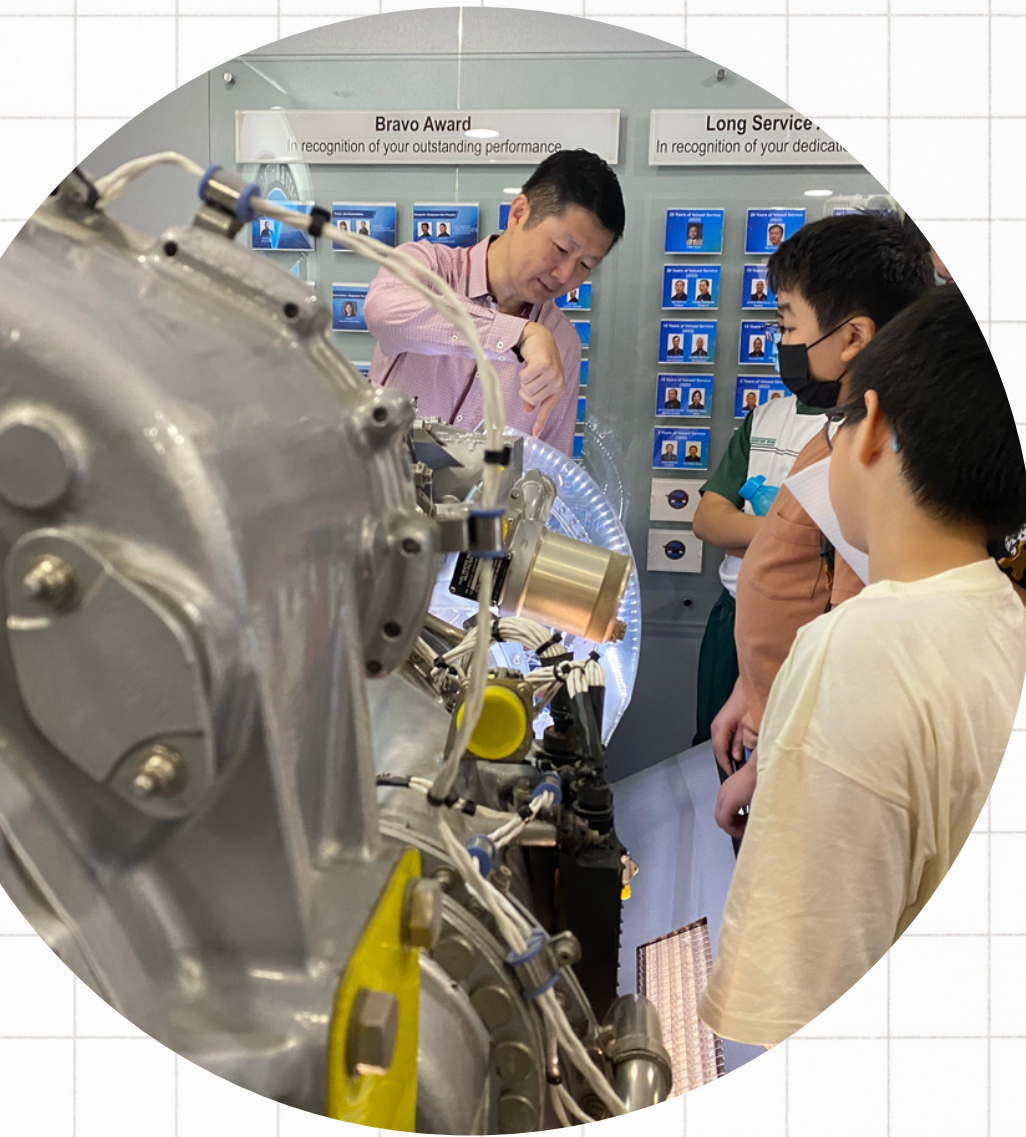


enquiry@ideacademy.sg

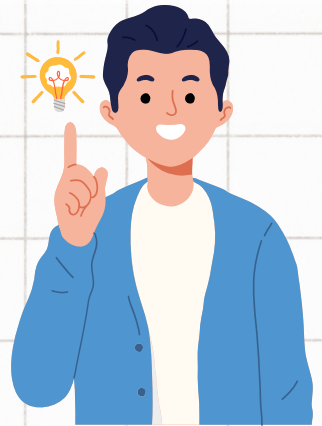


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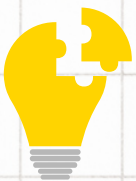
**Designed for  
P4 - P6  
students!**



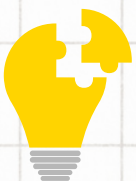
## Learning Outcomes



Students will be introduced to the concept of environmental sustainability and the process of inventing.



Students will identify environmental challenges and apply the 7-step design thinking framework to create green solutions for climate.



Students will learn and apply the brainstorming technique, SCAMPER, to generate inventive ideas.

# Your Journey

## Singapore Invention Convention

- Equip students to showcase their innovative solutions at the Pratt & Whitney Singapore Invention Convention
- Fosters a sense of accomplishment

**Term 4**

**Term 3**

## Entrepreneurial Exploration

- Blend environmental innovation with entrepreneurship
- Learn to turn ideas into impactful venture

## Identify Real-World Issues

- Develop problem-solving skills
- Apply knowledge to address actual challenges

**Term 2**

**Term 1**

## Environmental STEM Exploration

- Interconnected learning of science, technology, engineering, and math
- Introduction of the STEMIE framework for identifying and solving environmental challenges

# Details

**Term 1: Jan 13 - Mar 16**

**Term 2: Mar 23 - May 25**

**Term 3: June 29 - Sep 28**

**Term 4: Oct 5 - Oct 19**

**11am - 12.30pm**

**231 Mountbatten Road,**

**Block B, #03-01/03,**

**Mountbatten Centre,**

**Singapore 397999**

**\$540 / per student per term**

**New student registration fee: \$20**

**Sign up  
today!**

