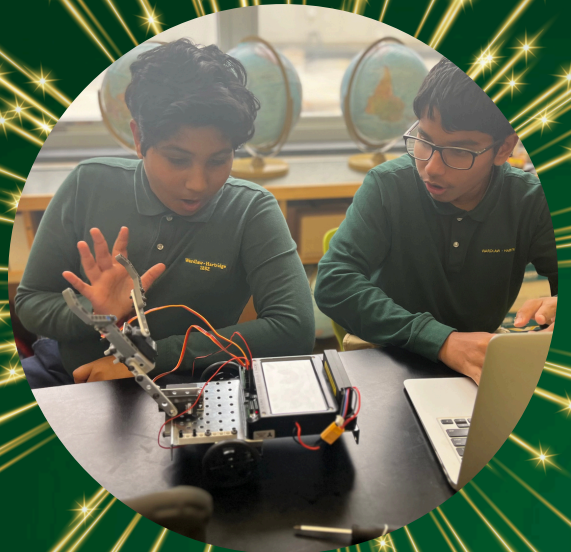
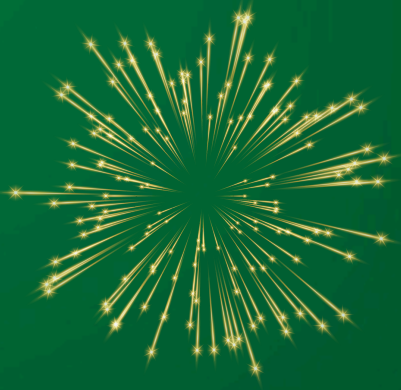


WARDLAW + HARTRIDGE

Pioneering. Thinkers.

The Dalal Entrepreneurship and Technology Program





We are grateful to the Dalal family for their generosity and investing in the futures of our students.

-Dr. Corinna Crafton, Head of School



The Dalal Entrepreneurship
and Technology Program

VISION

To ignite innovation, creativity and real-world problem-solving by empowering students with an entrepreneurial mindset and cutting-edge technology skills, preparing tomorrow's leaders to shape their world.

PURPOSE

The DETP is designed for students who are keenly interested in the intersection of STEM and business.



Program Overview

Grade 9: Eligibility

Requirements:

1. Minimum GPA 93
2. Completion of Algebra I
3. Completion of a lab science course
4. Formal application and interview

Recommended Preparation:

- Introductory computer science or programming exposure
- Project-based coursework or extracurricular involvement
- Evidence of initiative and leadership



Grade 10: Integrated Foundations

1. Engineering Design & Prototyping
2. Technology & AI Awareness
3. Entrepreneurship & Venture Thinking

Grade 11: Pathway Specialization

Entrepreneurship Path

1. Business Problem Solving
2. AI for Business Strategy
3. Venture Creation Studio

Technology Path

1. Applied Engineering Design
2. AI for Engineering Systems
3. Innovation Lab

Grade 12: Capstone Project

1. Problem Definition & Research
2. Solution Design, Prototyping & AI Integration
3. Validation, Business Model & Public Pitch

Core Competencies

Design Principles & Criteria

The following principles act as the structural criteria for the DETP:

1. Entrepreneurship as the Core Identity

Entrepreneurship is not limited to business creation, it includes initiative, ownership, leadership, and problem-solving methodologies.

2. Engineering Design as the Thinking Framework

The engineering design process (problem definition, iteration, testing, optimization) is the universal problem solving method across the program.

3. Technology (including AI) as an Integrated Tool

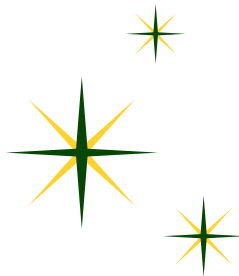
AI and digital tech are embedded across courses as tools, not isolated topics.

4. Depth Through Sequencing

Students develop mastery through sustained sequences rather than a la carte electives.

5. Progression Toward Synthesis

The program builds from foundations to application to synthesis (Capstone).



A Closer Look at Capstone

Requirements:

1. A clearly defined problem worth solving
2. A tech enabled solution (prototype or computational model)
3. Meaningful use of AI or modern digital tools
4. A business, deployment, or implementation model
5. Professional documentation and a public presentation

Recommended Team Structure:

- Small interdisciplinary teams
- Intentional blending of Engineering and Business pathway students

Additional Support:

The Grade 12 capstone can be the primary vehicle for partnership engagement.

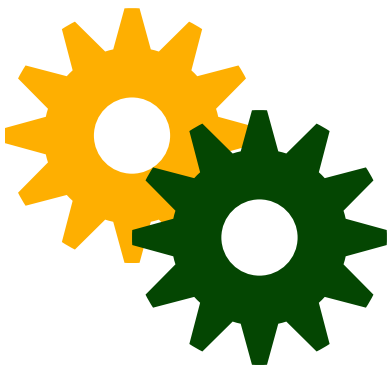
External partners may:

1. Provide real-world problems for teams to address
2. Offer technical or business feedback at defined milestones
3. Participate in final presentations or showcases



Sample Courses

- | | |
|---|--|
| <ul style="list-style-type: none">• Advanced Research in Genetics• AP Computer Science• Engineering Your World• AP Environmental Science• AP Macro/Micro Economics• Molecular Biology• PharmaVentures• AP Physics• Robotics | <ul style="list-style-type: none">• AP Statistics• Arts Entrepreneurship• Business Problem Solving• Data Visualization• Entrepreneurship in a Global Context• Investing• Medical Problem Solving• Problem Solving With Engineering and Design |
|---|--|





We are living in the era of rapid technological advancement. We believe that fostering the culture of technology innovation and entrepreneurship in the high school years can unlock the potential of young minds and empower them to drive meaningful changes.

- Mr. Nayan Dalal, P '14, '16, '24



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HOW TO APPLY



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