

# Excellence in student research

In 2025, 130 Meriden students achieved Bronze CREST Awards, while nine received Silver Awards and one achieved a Gold Award, all recognised for the exceptional creativity and practical application of their research.

Each year at Meriden, students in Years 8, 9 and 10 take part in the CSIRO CREST Awards. The program recognises creativity in Research, Engineering, Science and Technology.

To achieve a Silver CREST Award, students first write a proposal which is reviewed and approved by CSIRO scientists. They then dedicate a minimum of 30 hours to their project. On completion, students receive a medal and certificate from CSIRO for their achievements.

A Gold CREST requires that students work with a mentor and complete 100 hours of work on a scientific investigation or technological invention that is both original and has a specific, relevant and plausible real-world application.

## Silver CREST Award Recipients

Name	Year	Project name
Elizabeth Allen	9	H <sub>2</sub> O Clock - A hydroelectric hygiene machine
Elaine Chen	9	Maintaining optimal lighting through automated blinds
Emilia Ghaly	9	Tangled 2.0
Sienna Saoud	9	Disabled Elderly Book Assist
Luyin Wang	9	Lemon Myrtle vs Baker's Yeast
Veronica Xie and Jenny Zhang	10	Ruinous Rainfall Remedy
Jasmine Yang and Ashley Shu	10	Spider Leg Inspired Compliant Mechanism Claw

## Gold CREST Award Recipient

Following months of hard work and research, we wish to congratulate India Whip, our Gold CREST Winner for her research project submitted at the end of 2024.

India designed and built a flood assistance tool, called the "Aqua Guard". This innovative flood barrier is constructed primarily of Plexiglas panels and is mounted between door entrances using a simple bolting mechanism attached to the door recess. The transparency of the Aqua Guard allows for clear observation of rising floodwaters, providing residents with crucial situational awareness.

I would like to congratulate all girls for their creative and impressive projects – each award is well deserved.



India Whip

## Mrs Claire Marsh

Dean of Assessment and Reporting (Acting)