

CO-DESIGNED INQUIRIES

FUTURE PRODUCTS



Explore the intersection of design, technology, and sustainability to create innovative products that address real-world challenges

Technologies Used

- **Digital Fabrication Tools:** 3D printers and laser cutters, cardboard prototyping and Microcontrollers.
- **Textiles:** Sublimation printing, sewing machines, and wearable tech components.
- **Maker Equipment:** Traditional tools such as soldering kits, sewing machines, and hand tools.

Success Criteria - Students will:

- Demonstrate an understanding of **user-centered design** principles.
- Conduct research and **develop a prototype** that effectively addresses specific user needs.
- Demonstrate an ability to **analyse the environmental impact** of material choices.
- Apply **iterative design and prototyping processes** to solve a sustainability challenge.
- Design and **create an innovative product** that addresses a relevant personal, community or global challenge.
- Demonstrate **critical thinking and understanding** of the United Nations Sustainable Development Goals.

Why Choose This Learning Experience?

Future Products invites students to explore the intersection of technology, sustainability and product design.

Through hands-on projects, students design and prototype products that solve real-world problems, using empathy to understand user needs.

This Inquiry encourages **creativity and innovation**, linking solutions to sustainability goals while developing the skills necessary for the future of product development.

