

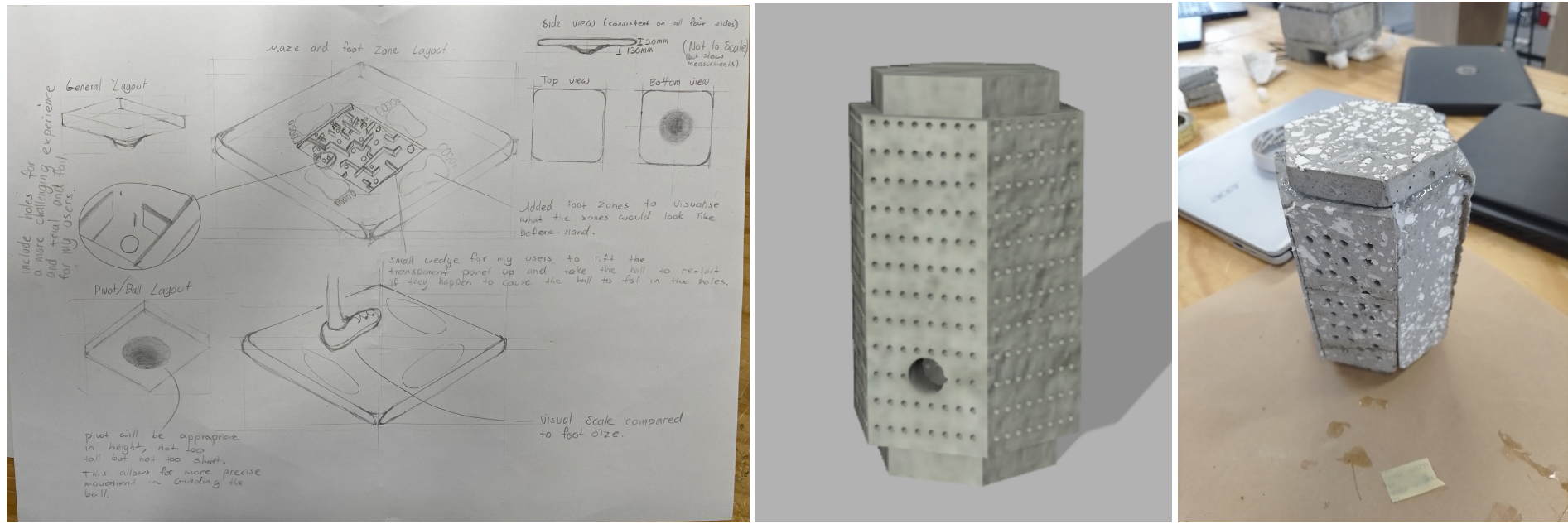
COURSE INFORMATION

EXPLORE DESIGN TECHNOLOGY	EXTECH	2026	TECHNOLOGY
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HE AHA TE WHAKAMAARAMATANGA O TEENEI MARAU? - WHAT IS THIS COURSE ABOUT?

Unleash your creativity and practical skills in Multi-Materials Technology! This hands-on course is perfect for students who love to design and build. You'll work with diverse materials like timber, metals, and plastics, bringing your innovative ideas to life.

We'll cover NCEA Achievement Standards **92013 v3** and **91356 v3**, focusing on creating complex multi-material outcomes and applying essential production processes. You'll learn to problem-solve, refine your designs, and master various fabrication techniques. Develop valuable skills in project management, critical thinking, and precision, preparing you for a future in design, engineering, or trades. Get ready to design, build, and innovate!



HE AHA TAAKU E AKO AI? - WHAT TYPES OF LEARNING ACTIVITIES WILL I DO?

- **Design Challenges:** Tackle open-ended briefs to create multi-material products.
- **Material Exploration:** Hands-on investigation of wood, metal, plastic, and more.
- **Prototyping:** Build quick models to test ideas before final production.
- **Safety Workshops:** Learn and practice safe tool and machine use.
- **Comparative Testing:** Experiment with different materials for specific functions (e.g., strength of joints).
- **Process-Specific Workshops:** Master techniques for cutting, joining, shaping, and finishing various materials.
- **Quality Checks:** Learn to evaluate and refine work at every stage.
- **Documentation:** Keep a detailed journal of experiments and design decisions.

EOTC OPPORTUNITIES & COMMUNITY CONNECTION	PATHWAYS	COURSE REQUIREMENTS (IF APPLICABLE)
University of Waikato, School of Engineering	PREFERRED PRIOR LEARNING: basic construction skills, sketching and researching skills LEADS ON TO (FURTHER STUDY): Engineering, BCITO, DVC	

ASSESSMENT OPPORTUNITIES

STANDARD(S)												
ESTIMATED DUE DATE	STANDARD & VERSION	NCEA SUBJECT	LEVEL	STANDARD TITLE	CREDIT TOTAL	LIT	NUM	UER	UEW	I/E	ASSESSMENT MODE	FURTHER ASSESSMENT OPPORTUNITY
T2	92013 v3	Technology	1	Experiment with different materials to develop a Materials and Processing Technology outcome	6	NO	NO	NO		I	Portfolio	N
T3	91356 V3	Technology	2	Develop a conceptual design for an outcome	6	NO	NO	NO		I	Portfolio	N
SUBJECT ENDORSEMENT NOT AVAILABLE				SUBJECT CREDIT TOTAL	12							

FREQUENTLY ASKED QUESTIONS

- What happens if I am struggling to meet a deadline?
 - If you have a legitimate reason, you can apply for an extension. More information and the extension form can be found [here](#).
- Can I use AI in my assignments?
 - Usually not for assessed work, but on occasion yes, depending on what stage of the assignment you are at. Using AI can often result in a [breach of NCEA rules](#). Please read [the Authenticity section](#) on Te Hinaki carefully and ask your teacher for guidance before you use AI.
- Can I get a resubmission on assessments?
 - Resubmissions may be offered if, in the opinion of the teacher assessing it, you are close to the Achieved grade boundary. More information about this can be found [here](#).
 - If you think there has been a mistake with how your assignment has been graded, there is an appeals process you can follow. Go [here](#) for more information.
- What’s the difference between a RESUBMISSION and a FURTHER ASSESSMENT OPPORTUNITY?
 - A **resubmission** may be offered by your teacher after an assessment has been marked if, at the teacher’s discretion, your work was given NOT ACHIEVED but is close to the ACHIEVED boundary. A resubmission will allow you to do extra work for a short period of time (usually about an hour), without any further teaching, to bring the grade from a NOT ACHIEVED to an ACHIEVED. No higher grade than this is possible for a resubmission.
 - A **further assessment opportunity** is a brand new assessment task for a Standard that is offered to students after further teaching has occurred. This is offered to all students in the course, although not everyone is obliged to take it up. The higher of the two grades will be reported to NZQA. Because further assessment opportunities require extra teaching time and extra time to complete the assessment it is often not feasible for further assessment opportunities to be offered.