

# ROTOTUNA SENIOR HIGH SCHOOL

# MODULE OUTLINE



## COURSE INFORMATION

|       |       |      |                                                                                    |
|-------|-------|------|------------------------------------------------------------------------------------|
| SPEED | SPEED | 2026 | <ul style="list-style-type: none"><li>DIGITAL TECHNOLOGY</li><li>PHYSICS</li></ul> |
|-------|-------|------|------------------------------------------------------------------------------------|

### HE AHA TE WHAKAMAARAMATANGA O TEENEI MARAU? - WHAT IS THIS COURSE ABOUT?

**CAUTION:** If you did FAST in semester 1, do not do SPEED in semester 2, because a standard is repeated.

Being a digital native means more than just scrolling and consuming content.

It's all too easy to assume we know how to use computers, simply because we use them everyday. But do we really know how to use them? This course will teach you how to use technology, science, and mathematics proficiently in realistic situations. Skills that will be valuable across all areas of education and will be essential as you enter the workforce.

In a collaboration between science and digital technologies, we'll conduct hands-on experiments with things that move like catapults or water rockets, things that get hot, things that shine bright and other devices to collect real data.

We'll then learn to use the power of digital technology to collate our data, organise it, analyse it, and present it in a professional way.

You'll discover that a true digital native doesn't just use computers, they make them work for them. Turning real data into real understanding.

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

- Conducting science experiments to collect data.
- Using spreadsheet applications to collate that data.
- Analysing this data to find meaning.
- Present your findings in a professional way.

| EOTC OPPORTUNITIES & COMMUNITY CONNECTION | PATHWAYS                                                                                                               | COURSE REQUIREMENTS (IF APPLICABLE) |
|-------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
|                                           | <p><b>PREFERRED PRIOR LEARNING:</b> None</p> <p><b>LEADS ON TO (FURTHER STUDY):</b> Science and Digital Technology</p> |                                     |

## 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 |
| Term 2 Week 5                     | AS91168            | Physics      | 2     | Carry out a practical investigation that leads to a non-linear mathematical relationship | 4            | NO  | NO  | NO  | NO  | I   | Report          | N                              |
| Term 2 Week 5                     | US29770v2          | Computing    | 2     | Use the main features and functions of a spreadsheet application for a purpose           | 4            | NO  | NO  | NO  | NO  | I   | Test            | Y                              |
| SUBJECT ENDORSEMENT NOT AVAILABLE |                    |              |       | SUBJECT CREDIT TOTAL                                                                     | 8            |     |     |     |     |     |                 |                                |

## 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.*
- **Do I have to complete all the Standards in the Module?**
  - *Yes, by selecting the module you are signing up for a teaching and learning program that integrates two different subject areas. The assessment is an integral part of this so that you can show evidence of your real world learning and gain credits. Some modules will have separate assessment tasks for each Standard, others will have one assessment task that is assessing two or more Standards. Either way, it is expected that you attempt them all.*