

# 8. Technology

## Introduction

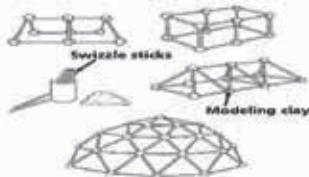
Technology focuses on your ability to use relevant knowledge and skills to design and make a product that solves a problem or meets basic human needs and/or wants. You must consider the impact that your solutions will have on people and the environment. You will develop suitable graphic communication skills to help you sketch and draw solutions.

## Content

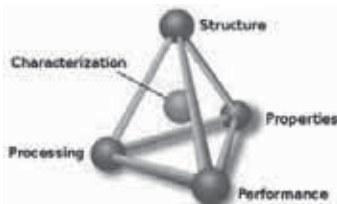
In Grade 9 you will focus on the same design process skills (investigate, design, make, evaluate and communicate) that you have applied in Grades 7 and 8. However, you must now show a detailed understanding of what is expected for each of these design process skills.

The knowledge you will use when designing and making involves the following:

### Structures



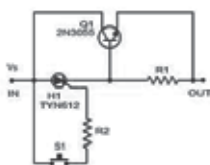
### Processing



### Systems and Control: Mechanical



### Systems and Control: Electrical



Your teacher will provide you with a suitable context or may describe a scenario within which you will apply knowledge and skills to design and/or make solutions. Always consider the impact on people and the environment.

## Time allocation

Your timetable must have at least 2 hours in a five-day cycle allocated for technology. This will give you sufficient time to complete most of the work in class. Homework will be given to reinforce what has been taught in class.

## Assessment

The table below indicates the minimum number of assessments you will be doing for marks in each term:

A mini practical assessment task (mini PAT) is an opportunity to demonstrate your ability to investigate, design, make, evaluate and communicate. The mini PAT that you will complete in Term 3 should show that you can apply all of these steps. You should demonstrate the whole range of technological skills.

	Term 1	Term 2	Term 3	Term 4
Test or Exam	1	1	1	1
Mini PATs	1	1	1	1

## Careers

Technology as a subject relates to many engineering study fields and will support future career choices in these fields.

