

Columba College Junior School – Technology Overview

Year Context	Component Focus*	Component Focus	Notes
	Unit 1	Unit 2#	
Year 1 Food technology Developing food products for festivals/occasions	CoT	BD and ODE	At all year levels it is important to challenge students understanding of what a tech outcome is. Research indicates that misconceptions about T.O.s remain without constant challenging. Year (0-1) in the third year. Because these students will not be starting with learning about CoT or CoTO it will be better to focus on both these components at L1. The expected focus on TM and TS may still be a focus but embedded within The second Tech Practice unit.
	What is technology? How do both technological outcomes (T.O.s) and the development of T.O.s affect the world and visa versa?	Understanding what a brief is and how tech practice requires us to question and evaluate what, how and how well we design T.O.s	
Year 2 Technology's relationship with the economic world Developing Tech outcomes in the context of the physical world (physics)	CoTO	TP and P4P	
	Learning what T.O.s are and how they can be described to work out how they work in the situations they were designed for.	Exploring the properties of a range of materials in order to understanding why particular materials are chosen to make particular T.O.s. Understanding the tech practice involves planning our time and what materials, knowledge and equipment we might need to develop a T.O.	
Year 3 Innovation. Suggested context – Developing tech outcomes using hard and/or soft materials	TM	TS	
	Understanding the purpose of modelling and prototyping in technology. Giving examples of both and identifying both in the tech practice of other and their own or other students' tech practice.	Identifying and describing tech systems. Understanding that some T.O.s are tech systems. Tech systems have connected components that transform an input to an output.	

***Component focus** means the focus of the teaching, that is, the learning objectives and assessment will be based on the Indicators of the component/s listed. **Learning objectives and will be at Levels 1 – 3 depending on students' prior knowledge.**

The second unit in each year is the unit where a tech outcome is developed focusing on the components listed.

Nature of Technology

CoT = Characteristics of Technology

CoTO = Characteristics of Technological Outcomes

Technological Practice

BD = Brief Development

PfP = Planning for Practice

ODE = Outcome Development and Evaluation

Technological Knowledge

TM = Technological Modelling

TP = Technological Products

TS = Technology Systems