Year 7

2018



St Luke's Catholic College

Teachers

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Campus Director, Mission **Learning Coach** Pathways Leader **Inquiry Leader Inquiry Leader Inquiry Leader Teacher Teacher**



Inquiry Cycle





Understand

Draft
Construct
Share
Present

Reflect



Open Question Immerse Criteria for Success

Information Gathering

Skills and Capabilities Identify-Explore-Gather Knowledge Aquisition

Science and Technology Sample Project

Rube Goldberg machine design (chain reactions)

Based on Forces and Motion outcomes from Science

And

Design process and Engineering outcomes from Technology Mandatory



Success Criteria

The success criteria is co-constructed with students and linked to the Six Pillars and to Syllabus Outcomes

Outcomes for this unit of work	You do this when you (these are just examples, you may select a range of different pieces of evidence)	This may also link to the pillar of
SC4-3VA demonstrates confidence in making reasoned, evidence-based decisions about the current and future use and influence of science and technology, including ethical considerations 4.4.1 explains the impact of innovation and emerging technologies on society and the environment	 Provide links between components of your machine design and components of machines that assist impoverished / disadvantaged groups of people Evaluate your design, explaining how the tools and equipment have affected how you have made it. 	Manage Recognise personal qualities and achievements
WS8 selects and uses appropriate strategies, understanding and skills to produce creative and plausible solutions to identified problems 4.5.1 applies management processes to successfully complete design projects	 Use of cause and effect language to explain how your machine operates Evaluate how effectively your machine worked Complete a working Rube Goldberg machine 	Communicate and Collaborate Work collaboratively

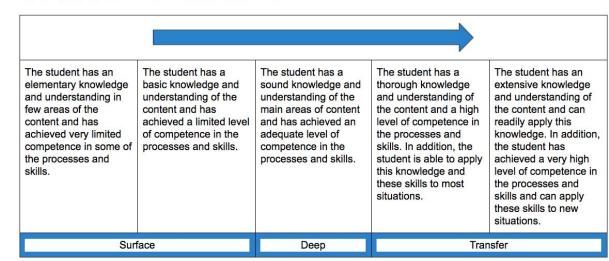
Common Grade Scale and SeeSaw

All content is assessed using the Common Grade scale where knowledge development moves from surface \implies deep \implies transfer.

Students' portfolio of assessment will be available on SeeSaw (student and parent

access)

All content is assessed under the Common Grade Scale



Challenge

A different approach to learning

Be prepared for the uncomfortable ...

"That feeling of math being hard is the feeling of your brain growing."



Pathways

What's is all about?

Video to be emailed

We need your help.

- Parent Questionnaire in email (Google Form)



St Luke's Catholic College

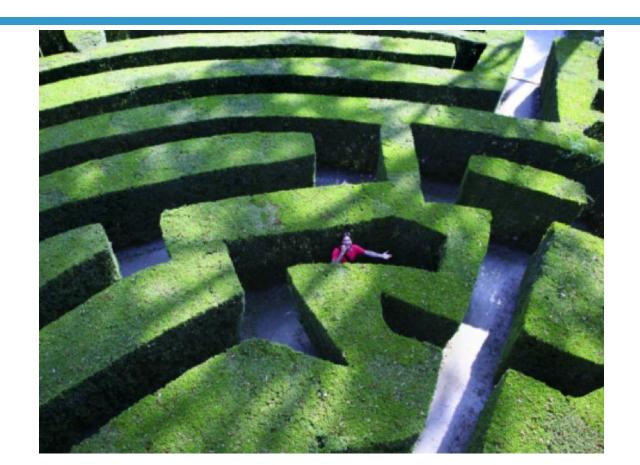
Insight into the program so far

SO HOW WAS YOUR DAY?





STUCK OR UNSURE OF DIRECTION





SO WHAT SHOULD WE DO?

- A) Keep going and ignore it
- B) Go faster and hope it works out
- C) STOP



C) STOP



THE STOP PRINCIPLE

"STOP is:

Step back,

Think,

Organise your thoughts,

before

Proceeding.

