

DP Program 2018
Level 1 ENGG
(Engineering — Robotics)
Teaching Philosophy

Innovative products created by Alumni

Unmanned Aerial Vehicles (UAVs)



ORII

The world's first wireless audio device



Bicycle Helmet
smart bicycle helmet with
integrated turn signals and
automatic brake lights



Innovative products created by Alumni and students



Shed light on your sleep

Grand of the Year

ICT Start-up Grand Award

Smart Living Grand Award



A portable music production app



Student Innovation Grand Award

STEM is

S T E M



Stems have four main functions which are:

- **Support** for and the elevation of leaves, flowers and fruits.
- **Transport** of fluids between the roots and the shoots in the xylem and phloem.
- **Storage** of nutrients.
- **Production** of new living tissue.

Source from Wikipedia

Discovery
S
Knowledge



Design Thinking

Modelling

Innovation

E



Prototyping

Skills

Engineering Solution
T
to solve a problem

Reinforces
learning of

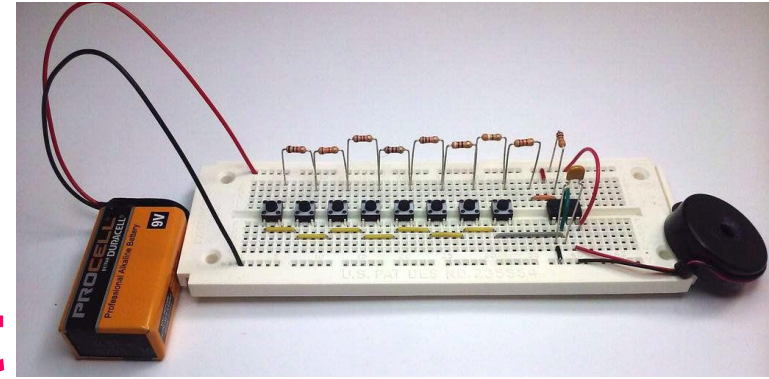
Logic
M
Analysis
Problem Solving



Wave properties



Electronics chip set
Breadboard



Wire connection

Electronic Piano



Mathematics Functions