STEM Applied Learning Programme

Lesson Outline

STEM Theme	eWater Sensors & Water Technology
Module	3 (Remote ROV Water Sensing)
Total Hours	15

No.	Topic
1	Ship and Water Sensing
2	Sea Perch – Forces and Density
3	Buoyancy with boats A
4	Buoyancy with boats B
5	Sensor suit payload design
6	Hardware design & GPS
7	Fabrication, Measure and cut frame
8	Assemble frame
9	Motors and Tether
10	Testing and customising1
11	Testing and customising 2
12	Testing and integration1
13	Testing and integration2
14	Data collection
15	Data analysis