

## Scope & Sequence

StarLAB iSTEM <i>Based on 10 week terms</i>		Term 1										Term 2										Term 3										Term 4																													
		1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10																				
<b>Units</b>		Python										Hardware										Rover Robotics										Rover Competition										<i>Optional: Space Prototypes</i>										-									
<b>Approximate Duration (weeks)</b>		8*										8*										4 – 7*										1*										8 -10										-									
<b>iSTEM Modules</b>	<b>Core</b>	STEM Fundamentals 1										Mechatronics 1										STEM Fundamentals 2 Mechatronics 2										Mechatronics 2										-										-									
	<b>Elective</b>	Design for Space										<i>Design for Space Optional: Statistics in Action</i>										Design for Space										Design for Space										3D/CAM 1, STEM Project Based Minor or Major Task										-									
<b>Task Weighting</b>		-										-										-																				-										-									
<b>Recommended Assessment</b>		Completion of Python Moodle Modules & Quizzes Optional: Modify or Design a Python Game (Python Moodle Module 11)										Completion of Moodle Modules & Quizzes Optional: Design a Statistical Poster based on Sensor Data or Design a collaborative experiment using StarLAB sensors										Completion of StarLAB Moodle Modules & Quizzes										Collaborative participation in Robotics Rover Competition										3D Design project										-									
<b>Milestones or Due Dates</b>		* Python Moodle lessons would ideally be completed term 1; intro to hardware is introduced alongside the Python lessons as per the program notes.										*Intro to hardware commences in previous unit; bulk of hardware work completed by mid-term 2										Intro to rover commences in previous unit; bulk of rover work completed early term 3 to allow adequate time to prepare for competition																																							