**Year 9 Scope and Sequence 2017**

**iSTEM: Integrated Science Technology Engineering & Mathematics**

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| **Term** | **Weeks** | **Content** | **Practical** | **Assessment** |
| 1 | 1-4 | STEM Fundamentals 1 (5.1. 5.7, 5.8) | Google Docs, Generic maker equipment | Portfolio (20%) |
| 5-8 | Mechatronics 1  (5.1, 5.2, 5.3) | Google Docs, Google Sheets, Arduino Esplora |
| 9-10 | Mechatronics 2  (5.1, 5.3, 5.4, 5.5) | Google Docs, Google Sheets, LEGO NXT Mindstorms | Mechatronics Project (30%) |
| 2 | 1-4 |
| 5-10 | Aerodynamics  (5.1, 5.4, 5.5) | Google Docs, PowerAnchor SkyLap | Aerodynamics Project (30%) |
| 3 | 1-5 | Aerodynamics  (5.1, 5.4, 5.5) | Google Docs, PowerAnchor SkyLap |
| 6-10 | STEM Fundamentals 2 (5.2, 5.3, 5.4, 5.6) | Google Docs, LittleBits, Generic maker equipment | Portfolio (20%) |
| 4 | 1-10 | Motion  (5.1, 5.4, 5.6, 5.8) | Google Slides, Google Docs, FPV BirdDog Chihuaha Drones |