<table>
<thead>
<tr>
<th>Unit Name</th>
<th>Main Ideas</th>
<th>Duration (weeks)</th>
<th>Assessment Item</th>
<th>Due Date</th>
</tr>
</thead>
</table>
| Data Collection and presentation(b) | - Sample means and medians as measures of central tendency  
- Sample standard deviations and interquartile range as descriptors of spread  
- Use of summary statistics to draw and analyse conclusions, represent data and make inferences  
- Interpretation and use of sample statistics (including sample means and medians) as estimates of parameters to predict underlying population values or of values in a model  
- Latitude, Longitude and Measurement of time and distance  
- Simple algebraic manipulation of relevant formulas for this topic  
- Budgeting including the preparation of a personal budget plan  
- Spending including discount and foreign exchange  
- Business applications, including profit, loss and mark-up  
- Compass bearings and reverse bearings  
- Plot and determine compass bearings and reverse bearings  
- Magnetic variation  
- Use magnetic variation to explain the link between true bearings and magnetic bearings  
- Use of maps and charts, compasses, dividers and parallel rulers or their equivalent. | 3 weeks       | Assignment Draft Due | Tue 1st Aug |
| Exploring and Understanding Data (a) | | 4 weeks       | Assignment Due | Thu 10th Aug |
| Elements of Applied Geometry    | | 3 weeks       | Exams          | Tues 29th Aug |
| Managing Money                  | | 3 weeks       | Exams          | Thu 31st Aug |
| Maps and Compasses – Navigation | | 5 weeks       | Exams          | Block Exams |

**Literacy Components**
- Speaking and Listening: Instruction, vocabulary
- Reading & Viewing: translate information between different forms of language, text, strategies, metacognition
- Writing & Designing: support an argument using mathematics; use mathematical conventions and everyday language to provide solutions to routine and non-routine problems

**Numeracy Components**
- Number: Basic operations and BIMDAS will be applied, currency
- Algebra: Substitution into formula, transposing formulas
- Measurement: knot, nautical mile, distances on earth
- Space: navigation, earth geometry, time zones, bearings, use of maps, compasses & parallel rulers, magnetic variation
- Chance & Data: summary statistics

**ICT/Technology Components**
- Select and use ICTs in the processes of inquiry and research: use of a scientific calculator
- Select and use ICTs to create a range of responses to suit the purpose and audience:
- Select and use ICTs to collaborate and enhance communication for an identified purpose and audience: use of word processing to produce a report and present data in tables
- Develop and apply ethical, safe and responsible practices when working with ICTs:
- Use a range of advanced ICT functions and applications: