<table>
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<th>Unit Name</th>
<th>Main Ideas</th>
<th>Duration (weeks)</th>
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| Maps & Compasses – Navigation | - Methods of fixing position which may include bearing fix, dead reckoning, running for GPS  
- Calculate speed and distances: - with reference to latitude  
- using nautical miles and knots  
- Plot courses and determine location by:  
- using maps, charts, compasses, dividers and parallel rulers or their equivalent.  
- a variety of methods of fixing position which may include bearing fix, dead reckoning, running fix, GPS | 5 Weeks | EMT (Navigation) | Fri 11/08/17 |  |
| Managing Money | - Simple interest, and compound interest for various compounding periods; effective and nominal rates  
- Consumer credit including personal loans, credit cards, debit cards, housing loans (including fees and charges)  
- Investments such as savings accounts, term deposits, real estate and stock market  
- Simple algebraic manipulation of financial formulae | 5 Weeks | Supervised KAPs & MAPs Exam (Managing Money & Navigation) | Tues and Fri 5/09/17 & 8/09/17 | |
| Operations Research – Networks & Queuing | - Identify and reflect upon the effect of critical steps in project networks  
- Identify and reflect upon the impact of slack time in a project network  
- Investigate single and multiple-server queue situations with constant arrival and service times using a variety of representations  
- Investigate the effects on a queuing system of random arrival and service times | 4 Weeks | Supervised KAPs & MAPs Exam (Networks & Queuing, Exploring & Understanding Data) | EXAM BLOCK | |
| Exploring & Understanding Data | - Interpretation in context of row and column percentages for a contingency table (two-way table of frequencies)  
- Misuse of probabilities, including misinterpretation of row and column percentages in contingency tables | 2 Weeks | | | |

**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, use of parallel rulers & protractors
- Space: navigation, fixing position, transit & running fixes
- Chance & Data:  

**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:  
- Develop and apply ethical, safe and responsible practices when working with ICTs:  
- Use a range of advanced ICT functions and applications: