

YEAR 7- Mathematics Term 1 (Secondary)

Topic	Learning outcomes
Calculating	<ul style="list-style-type: none"> • Use knowledge of place value to multiply with decimals • Use knowledge of place value to divide a decimal • Use knowledge of place value to divide by a decimal • Use knowledge of inverse operations when dividing with decimals • Be fluent at multiplying a three-digit or a two-digit number by a two-digit number • Be fluent when using the method of short division • Know the order of operations for the four operations • Use brackets in problem involving the order of operations • Understand and apply the fact that addition and subtraction have equal priority • Understand and apply the fact that multiplication and division have equal priority
Pattern sniffing	<ul style="list-style-type: none"> • Use a term-to-term rule to generate a linear sequence • Use a term-to-term rule to generate a non-linear sequence • Find the term-to-term rule for a sequence • Describe a number sequence • Solve problems involving the term-to-term rule for a sequence • Solve problems involving the term-to-term rule for a non-numerical sequence
Checking, approximating and estimating	<ul style="list-style-type: none"> • Approximate by rounding to any number of decimal places • Know how to identify the first significant figure in any number • Approximate by rounding to the first significant figure in any number • Understand estimating as the process of finding a rough value of an answer or calculation • Use estimation to predict the order of magnitude of the solution to a (decimal) calculation • Estimate calculations by rounding numbers to one significant figure • Use cancellation to simplify calculations • Use inverse operations to check solutions to calculations
Investigating angles	<ul style="list-style-type: none"> • Identify fluently angles at a point, angles at a point on a line and vertically opposite angles • Identify known angle facts in more complex geometrical diagrams • Use knowledge of angles to calculate missing angles in geometrical diagrams • Know that angles in a triangles total 180° • Find missing angles in triangles • Find missing angles in isosceles triangles • Explain reasoning using vocabulary of angles
Presentation of data	<ul style="list-style-type: none"> • Know the meaning of categorical data • Know the meaning of discrete data • Interpret and construct frequency tables • Construct and interpret pictograms (bar charts, tables) and know their appropriate use • Construct and interpret comparative bar charts • Choose appropriate graphs or charts to represent data • Construct and interpret vertical line charts <p>Incorporating Global citizenship – Olympics and gold medals , Draw and interpret statistical diagrams involving representation Draw scatter graphs of pairs of development indicators such as life expectancy, calorie intake or infant mortality for different countries.</p>
Calculating fractions	<ul style="list-style-type: none"> • Apply addition to proper fractions, improper fractions and mixed numbers • Apply subtraction to proper fractions, improper fractions and mixed numbers • Multiply proper and improper fractions • Multiply mixed numbers • Divide a proper fraction by a proper fraction • Apply division to improper fractions and mixed numbers
Algebraic proficiency: tinkering	<ul style="list-style-type: none"> • Know the meaning of expression, term, formula, equation, function • Know basic algebraic notation (the rules of algebra) • Use letters to represent variables • Identify like terms in an expression • Simplify an expression by collecting like terms • Know how to multiply a (positive) single term over a bracket (the distributive law) • Substitute positive numbers into expressions and formulae • Given a function, establish outputs from given inputs • Given a function, establish inputs from given outputs • Use a mapping diagram (function machine) to represent a function • Use an expression to represent a function <p>Use the order of operations correctly in algebraic situations</p>
TERM 1 EXAMINATIONS	

YEAR 7- Mathematics Term II (Secondary)	
<i>Topic</i>	<i>Learning outcomes</i>
Measuring data	<ul style="list-style-type: none"> Understand the mode and median as measures of typicality (or location) Find the mode of set of data Find the median of a set of data Find the median of a set of data when there are an even number of numbers in the data set Use the mean to find a missing number in a set of data Calculate the mean from a (grouped) frequency table Find the mode from a frequency table Find the median from a frequency table Understand the range as a measure of spread (or consistency) Calculate the range of a set of data Analyse and compare sets of data Appreciate the limitations of different statistics (mean, median, mode, range)
Calculating percentages	<ul style="list-style-type: none"> Use calculators to find a percentage of an amount using multiplicative methods Identify the multiplier for a percentage increase or decrease Use calculators to increase (decrease) an amount by a percentage using multiplicative methods Compare two quantities using percentages Know that percentage change = actual change ÷ original amount Calculate the percentage change in a given situation, including percentage increase / decrease
Graphs	<ul style="list-style-type: none"> Plotting coordinates Parallel lines Other straight lines Write the equation of a line parallel to the x-axis or the y-axis Draw a line parallel to the x-axis or the y-axis given its equation Identify the lines $y = x$ and $y = -x$ Draw the lines $y = x$ and $y = -x$
Proportional reasoning	<ul style="list-style-type: none"> Describe a comparison of measurements or objects using the language 'a to b' Describe a comparison of measurements or objects using ratio notation a:b Use ratio notation to describe a comparison of more than two measurements or objects Convert between different units of measurement State a ratio of measurements in the same units Simplify a ratio by cancelling common factors Identify when a ratio is written in its lowest terms Find the value of a 'unit' in a division in a ratio problem Divide a quantity in two parts in a given part:part ratio Divide a quantity in two parts in a given part:whole ratio Express correctly the solution to a division in a ratio problem
Probability	<ul style="list-style-type: none"> The Probability Scale Equally likely outcomes Mutually exclusive outcomes Estimating probability
TERM II Examinations	

YEAR 7- Mathematics Term III (Secondary)	
<i>Topic</i>	<i>Learning outcomes</i>
Calculating space	<ul style="list-style-type: none"> Recognise that the value of the perimeter can equal the value of area Use standard formulae for area and volume Find missing lengths in 2D shapes when the area is known Know that the area of a trapezium is given by the formula $\text{area} = \frac{1}{2} \times (a + b) \times h = \left(\frac{a+b}{2}\right)h = \frac{(a+b)h}{2}$ Calculate the area of a trapezium Understand the meaning of surface area Find the surface area of cuboids (including cubes) when lengths are known Find missing lengths in 3D shapes when the volume or surface area is known
Checking, approximating and estimating	<ul style="list-style-type: none"> Approximate by rounding to any number of decimal places Know how to identify the first significant figure in any number Approximate by rounding to the first significant figure in any number Understand estimating as the process of finding a rough value of an answer or calculation Use estimation to predict the order of magnitude of the solution to a (decimal) calculation Estimate calculations by rounding numbers to one significant figure Use cancellation to simplify calculations Use inverse operations to check solutions to calculations

Numbers and the number system	<ul style="list-style-type: none"> Recall prime numbers up to 50 Know how to test if a number up to 150 is prime Know the meaning of 'highest common factor' and 'lowest common multiple' Recognise when a problem involves using the highest common factor of two numbers Recognise when a problem involves using the lowest common multiple of two numbers Understand the use of notation for powers Know the meaning of the square root symbol ($\sqrt{\quad}$) Use a scientific calculator to calculate powers and roots Make the connection between squares and square roots (and cubes and cube roots) Identify the first 10 triangular numbers Recall the first 15 square numbers Recall the first 5 cube numbers Use linear number patterns to solve problems
Presentation of data	<ul style="list-style-type: none"> Know the meaning of categorical data Know the meaning of discrete data Interpret and construct frequency tables Construct and interpret pictograms (bar charts, tables) and know their appropriate use Construct and interpret comparative bar charts Interpret pie charts and know their appropriate use Construct pie charts when the total frequency is not a factor of 360 Choose appropriate graphs or charts to represent data Construct and interpret vertical line charts
TERM III EXAMINATIONS	

YEAR 8- Mathematics Term I (Secondary)	
<i>Topic</i>	<i>Learning outcomes</i>
Numbers and the number system	<ul style="list-style-type: none"> Recall prime numbers up to 100 Understand the meaning of prime factor Write a number as a product of its prime factors Use a Venn diagram to sort information Use prime factorisations to find the highest common factor of two numbers Use prime factorisations to find the lowest common multiple of two numbers Know how to identify any significant figure in any number Approximate by rounding to any significant figure in any number Write a large (small) number in standard form Interpret a large (small) number written in standard form
Calculating	<ul style="list-style-type: none"> Add or subtract from a negative number Add (or subtract) a negative number to (from) a positive number Add (or subtract) a negative number to (from) a negative number Multiply with negative numbers Divide with negative numbers Know how to square (or cube) a negative number Substitute negative numbers into expressions Enter negative numbers into a calculator Use a scientific calculator to calculate with fractions, both positive and negative Interpret a calculator display when working with negative numbers Understand how to use the order of operations including powers Understand how to use the order of operations including roots
Understanding risk I	<ul style="list-style-type: none"> Know that probability is a way of measuring likeliness Know and use the vocabulary of probability Understand the use of the 0-1 scale to measure probability Assess likeliness and place events on a probability scale List all the outcomes for an experiment Identify equally likely outcomes Work out theoretical probabilities for events with equally likely outcomes Know how to represent a probability Recognise when it is not possible to work out a theoretical probability for an event Know that the sum of probabilities for all outcomes is 1 Apply the fact that the sum of probabilities for all outcomes is 1

Visualising and constructing	<ul style="list-style-type: none"> • Know the vocabulary of enlargement • Find the centre of enlargement • Find the scale factor of an enlargement • Use the centre and scale factor to carry out an enlargement with positive integer (fractional) scale factor • Know and understand the vocabulary of plans and elevations • Interpret plans and elevations • Use the concept of scaling in diagrams • Measure and state a specified bearing • Construct a scale diagram involving bearings • Use bearings to solve geometrical problems
Algebraic proficiency: tinkering	<ul style="list-style-type: none"> • Know how to write products algebraically • Use fractions when working in algebraic situations • Identify common factors (numerical and algebraic) of terms in an expression • Factorise an expression by taking out common factors • Simplify an expression involving terms with combinations of variables (e.g. $3a^2b + 4ab^2 + 2a^2 - a^2b$) • Know the multiplication (division, power, zero) law of indices • Understand that negative powers can arise • Substitute positive and negative numbers into formulae • Be aware of common scientific formulae • Know the meaning of the 'subject' of a formula • Change the subject of a formula when one step is required • Change the subject of a formula when a two steps are required
TERM I EXAMINATIONS	

YEAR 8- Mathematics Term II (Secondary)	
<i>Topic</i>	<i>Learning outcomes</i>
Exploring fractions, decimals and percentages	<ul style="list-style-type: none"> • Identify if a fraction is terminating or recurring • Recall some decimal and fraction equivalents (e.g. tenths, fifths, eighths) • Write a decimal as a fraction • Write a fraction in its lowest terms by cancelling common factors • Identify when a fraction can be scaled to tenths or hundredths • Convert a fraction to a decimal by scaling (when possible) • Use a calculator to change any fraction to a decimal • Write a decimal as a percentage • Write a fraction as a percentage
Algebraic proficiency: tinkering	<ul style="list-style-type: none"> • Know how to write products algebraically • Use fractions when working in algebraic situations • Identify common factors (numerical and algebraic) of terms in an expression • Factorise an expression by taking out common factors • Simplify an expression involving terms with combinations of variables (e.g. $3a^2b + 4ab^2 + 2a^2 - a^2b$) • Know the multiplication (division, power, zero) law of indices • Understand that negative powers can arise • Substitute positive and negative numbers into formulae • Be aware of common scientific formulae • Know the meaning of the 'subject' of a formula • Change the subject of a formula when one step is required • Change the subject of a formula when a two steps are required
Investigating angles	<ul style="list-style-type: none"> • Identify alternate angles and know that they are equal • Identify corresponding angles and know that they are equal • Use knowledge of alternate and corresponding angles to calculate missing angles in geometrical diagrams • Establish the fact that angles in a triangle must total 180° • Use the fact that angles in a triangle total 180° to work out the total of the angles in any polygon • Establish the size of an interior angle in a regular polygon • Know the total of the exterior angles in any polygon • Establish the size of an exterior angle in a regular polygon
Pattern sniffing	<ul style="list-style-type: none"> • Generate a sequence from a term-to-term rule • Understand the meaning of a position-to-term rule • Use a position-to-term rule to generate a sequence • Find the position-to-term rule for a given sequence • Use algebra to describe the position-to-term rule of a linear sequence (the nth term) • Use the nth term of a sequence to deduce if a given number is in a sequence • Generate a sequence using a spreadsheet

Proportional reasoning	<ul style="list-style-type: none"> • Identify ratio in a real-life context • Write a ratio to describe a situation • Identify proportion in a situation • Find a relevant multiplier in a situation involving proportion • Use fractions fluently in situations involving ratio or proportion • Understand the connections between ratios and fractions • Understand the meaning of a compound unit • Know the connection between speed, distance and time • Solve problems involving speed • Identify when it is necessary to convert quantities in order to use a sensible unit of measure
Calculating fractions, decimals and percentages	<ul style="list-style-type: none"> • Recognise when a fraction (percentage) should be interpreted as a number • Recognise when a fraction (percentage) should be interpreted as an operator • Identify the multiplier for a percentage increase or decrease when the percentage is greater than 100% • Use calculators to increase an amount by a percentage greater than 100% • Solve problems involving percentage change • Solve original value problems when working with percentages • Solve financial problems including simple interest • Understand the meaning of giving an exact solution • Solve problems that require exact calculation with fractions
TERM II EXAMINATIONS	

YEAR 8- Mathematics Term III (Secondary)	
<i>Topic</i>	<i>Learning outcomes</i>
Calculating space	<ul style="list-style-type: none"> • Know the vocabulary of circles • Know that the number π (pi) = 3.1415926535... • Recall π to two decimal places • Know the formula circumference of a circle = $2\pi r = \pi d$ • Calculate the circumference of a circle when radius (diameter) is given • Calculate the radius (diameter) of a circle when the circumference is known • Calculate the perimeter of composite shapes that include sections of a circle • Know the formula area of a circle = πr^2 • Calculate the area of a circle when radius (diameter) is given • Calculate the radius (diameter) of a circle when the area is known • Calculate the area of composite shapes that include sections of a circle • Know the formula for finding the volume of a right prism (cylinder) • Calculate the volume of a right prism (cylinder)
Solving equations and inequalities	<ul style="list-style-type: none"> • Identify the correct order of undoing the operations in an equation • Solve linear equations with the unknown on one side when the solution is a negative number • Solve linear equations with the unknown on both sides when the solution is a whole number • Solve linear equations with the unknown on both sides when the solution is a fraction • Solve linear equations with the unknown on both sides when the solution is a negative number • Solve linear equations with the unknown on both sides when the equation involves brackets • Recognise that the point of intersection of two graphs corresponds to the solution of a connected equation • Check the solution to an equation by substitution
Understanding risk II	<ul style="list-style-type: none"> • List all elements in a combination of sets using a Venn diagram • List outcomes of an event systematically • Use a table to list all outcomes of an event • List outcomes of an event using a grid (two-way table) • Use frequency trees to record outcomes of probability experiments • Make conclusions about probabilities based on frequency trees • Construct theoretical possibility spaces for combined experiments with equally likely outcomes • Calculate probabilities using a possibility space • Use theoretical probability to calculate expected outcomes • Use experimental probability to calculate expected outcomes

Algebraic proficiency: visualizing	<ul style="list-style-type: none"> • Know that graphs of functions of the form $y = mx + c$, $x \pm y = c$ and $ax \pm by = c$ are linear • Plot graphs of functions of the form $y = mx + c$ ($x \pm y = c$, $ax \pm by = c$) • Understand the concept of the gradient of a straight line • Find the gradient of a straight line on a unit grid • Find the y-intercept of a straight line • Sketch a linear graph • Distinguish between a linear and quadratic graph • Plot graphs of quadratic functions of the form $y = x^2 \pm c$ • Sketch a simple quadratic graph • Plot and interpret graphs of piece-wise linear functions in real contexts • Plot and interpret distance-time graphs (speed-time graphs) • Find approximate solutions to kinematic problems involving distance and speed
Measuring data	<ul style="list-style-type: none"> • Find the modal class of set of grouped data • Find the class containing the median of a set of data • Find the midpoint of a class • Calculate an estimate of the mean from a grouped frequency table • Estimate the range from a grouped frequency table • Analyse and compare sets of data • Appreciate the limitations of different statistics (mean, median, mode, range) • Choose appropriate statistics to describe a set of data • Justify choice of statistics to describe a set of data
Presentation of data	<ul style="list-style-type: none"> • Know the meaning of continuous data • Interpret a grouped frequency table for continuous data • Construct a grouped frequency table for continuous data • Construct histograms for grouped data with equal class intervals • Interpret histograms for grouped data with equal class intervals • Construct and use the horizontal axis of a histogram correctly • Plot a scatter diagram of bivariate data • Understand the meaning of 'correlation' • Interpret a scatter diagram using understanding of correlation
Global Citizenship Drawing charts	<ul style="list-style-type: none"> • Collect data online of life expectancy, access to water etc in some third world countries • Collect data online of life expectancy, access to water etc in some first world countries • Draw bar graphs comparing the difference between the data in both first world and second world countries
Global Citizenship Percentages and drawing line graph	<ul style="list-style-type: none"> • Collect information on population of some third world countries, number of people having access to internet, number of people having mobile phone etc • Collect information on the population of some first world countries of a similar land size, number having access to internet and mobile phone etc • Calculate the percentage of people having access to internet, mobile phone in first world and third world countries • Use these information to draw line graphs comparing the difference between the two countries

TERM III EXAMINATIONS

YEAR 9- Mathematics Term I (Secondary)	
<i>Topic</i>	<i>Learning outcomes</i>
<u>Calculating</u>	<ul style="list-style-type: none"> • Calculate with positive indices (roots) using written methods • Calculate with negative indices in the context of standard form • Use a calculator to evaluate numerical expressions involving powers (roots) • Interpret a number written in standard form • Add (subtract) numbers written in standard form • Multiply (divide) numbers written in standard form • Convert a 'near miss' into standard form; e.g. 23×10^7 • Enter a calculation written in standard form into a scientific calculator • Interpret the standard form display of a scientific calculator • Understand the difference between truncating and rounding • Identify the minimum and maximum values of an amount that has been rounded (to nearest x, x d.p., x s.f.) • Use inequalities to describe the range of values for a rounded value • Solve problems involving the maximum and minimum values of an amount that has been rounded

<u>Pattern sniffing</u>	<ul style="list-style-type: none"> • Generating sequences • Finding the nth term • Substitute numbers into formulae including terms in x^2 • Generate terms of a quadratic sequence from a written rule • Generate terms of a quadratic sequence from its nth term • Identify quadratic sequences • Establish the first and second differences of a quadratic sequence • Find the next three terms in any quadratic sequence
<u>Proportional reasoning</u>	<ul style="list-style-type: none"> • Know the difference between direct and inverse proportion • Recognise direct (inverse) proportion in a situation • Know the features of a graph that represents a direct (inverse) proportion situation • Know the features of an expression (or formula) that represents a direct (inverse) proportion situation • Understand the connection between the multiplier, the expression and the graph • Know the meaning of congruent (similar) shapes • Identify congruence (similarity) of shapes in a range of situations • Identify the information required to solve a problem involving similar shapes • Finding missing lengths in similar shapes • Understand why speed, density and pressure are known as compound units • Know the definition of density (pressure, population density, speed) • Solve problems involving density (pressure, speed) • Convert between units of density
<u>Presentation of data</u>	<ul style="list-style-type: none"> • Construct and interpret compound bar charts • Interpret a wider range of non-standard graphs and charts • Understand that correlation does not indicate causation • Interpret a scatter diagram using understanding of correlation • Construct a line of best fit on a scatter diagram • Use a line of best fit to estimate values • Know when it is appropriate to use a line of best fit to estimate values
Calculating fractions	<ul style="list-style-type: none"> • Apply addition to proper fractions, improper fractions and mixed numbers • Apply subtraction to proper fractions, improper fractions and mixed numbers • Multiply proper and improper fractions • Multiply mixed numbers • Divide a proper fraction by a proper fraction • Apply division to improper fractions and mixed numbers
TERM I EXAMINATIONS	

YEAR 9- Mathematics Term II	
<i>Topic</i>	<i>Learning outcomes</i>
<u>Calculating space</u>	<ul style="list-style-type: none"> • Know the vocabulary of circles • Know how to find arc length • Calculate the arc length of a sector when radius is given • Know how to find the area of a sector • Calculate the area of a sector when radius is given • Calculate the angle of a sector when the arc length and radius are known • Know how to find the surface area of a right prism (cylinder) • Calculate the surface area of a right prism (cylinder) • Calculate exactly with multiples of π • Know Pythagoras' theorem • Identify the hypotenuse in a right-angled triangle • Know when to apply Pythagoras' theorem • Calculate the hypotenuse of a right-angled triangle using Pythagoras' theorem • Calculate one of the shorter sides in a right-angled triangle using Pythagoras' theorem

Algebraic proficiency: tinkering	<ul style="list-style-type: none"> • Understand the meaning of an identity • Multiply two linear expressions of the form $(x + a)(x + b)$ • Multiply two linear expressions of the form $(x \pm a)(x \pm b)$ • Expand the expression $(x \pm a)^2$ • Simplify an expression involving 'x²' by collecting like terms • Identify when it is necessary to remove factors to factorise a quadratic expression • Identify when it is necessary to find two linear expressions to factorise a quadratic expression • Factorise a quadratic expression of the form $x^2 + bx + c$ • Know how to set up a mathematical argument • Work out why two algebraic expressions are equivalent • Create a mathematical argument to show that two algebraic expressions are equivalent • Identify variables in a situation • Distinguish between situations that can be modelled by an expression or a formula • Create an expression or a formula to describe a situation
Measuring data	<ul style="list-style-type: none"> • Understand the mode and median as measures of typicality (or location) • Find the mode of set of data • Find the median of a set of data • Find the median of a set of data when there are an even number of numbers in the data set • Use the mean to find a missing number in a set of data • Calculate the mean from a (grouped) frequency table • Find the mode from a frequency table • Find the median from a frequency table • Understand the range as a measure of spread (or consistency) • Calculate the range of a set of data • Analyse and compare sets of data • Appreciate the limitations of different statistics (mean, median, mode, range)
Calculating percentages	<ul style="list-style-type: none"> • Use calculators to find a percentage of an amount using multiplicative methods • Identify the multiplier for a percentage increase or decrease • Use calculators to increase (decrease) an amount by a percentage using multiplicative methods • Compare two quantities using percentages • Know that percentage change = actual change ÷ original amount • Calculate the percentage change in a given situation, including percentage increase / decrease • Incorporate Global citizenship use real life data to explore percentage increase/ decrease in wage , life expectancy, students attending school in different countries
TERM II EXAMINATIONS	

YEAR 9- Mathematics Term III	
<i>Topic</i>	<i>Learning outcomes</i>
Solving equations and inequalities II	<ul style="list-style-type: none"> • Understand that there are an infinite number of solutions to the equation $ax + by = c$ ($a \neq 0, b \neq 0$) • Understand the concept of simultaneous equations • Find approximate solutions to simultaneous equations using a graph • Understand the concept of solving simultaneous equations by elimination* • Target a variable to eliminate • Decide if multiplication of one equation is required • Decide whether addition or subtraction of equations is required • Add or subtract pairs of equations to eliminate a variable • Find the value of one variable in a pair of simple simultaneous equations • Find the value of the second variable in a pair of simple simultaneous equations • Solve two linear simultaneous equations in two variables in very simple cases (no multiplication required) • Solve two linear simultaneous equations in two variables in simple cases (multiplication of one equation only required) • Derive and solve two simultaneous equations • Interpret the solution to a pair of simultaneous equations
Calculating probability	<ul style="list-style-type: none"> • List outcomes of combined events using a tree diagram • Label a tree diagram with probabilities • Label a tree diagram with probabilities when events are dependent • Know when to add two or more probabilities • Know when to multiply two or more probabilities • Use a tree diagram to calculate probabilities of independent combined events • Use a tree diagram to calculate probabilities of dependent combined events • Understand that relative frequency tends towards theoretical probability as sample size increases

<p>Presentation of data</p>	<ul style="list-style-type: none"> • Construct and interpret compound bar charts • Interpret a wider range of non-standard graphs and charts • Understand that correlation does not indicate causation • Interpret a scatter diagram using understanding of correlation • Construct a line of best fit on a scatter diagram • Use a line of best fit to estimate values • Know when it is appropriate to use a line of best fit to estimate values
<p><u>Algebraic proficiency:</u> <u>visualising</u></p>	<ul style="list-style-type: none"> • Use the form $y = mx + c$ to identify parallel lines • Rearrange an equation into the form $y = mx + c$ • Find the equation of a line through one point with a given gradient • Find the equation of a line through two given points • Interpret the gradient of a straight line graph as a rate of change • Plot graphs of quadratic (cubic, reciprocal) functions • Recognise and interpret the graphs of quadratic (cubic, reciprocal) functions • Sketch graphs of quadratic (cubic, reciprocal) functions • Plot and interpret graphs of non-standard functions in real contexts • Find approximate solutions to kinematic problems involving distance, speed and acceleration
<p>REVISION AND TERM III EXAMINATIONS</p>	