	Monday	TEST: MEASUREMENT Worksheet	Worksheet
WEEK 3	Tuesday	Introduce 12B: Plotting Points from a Table of Values Questions: 12B	12B
Coordinate Geometry	Thursday	Re-Introduce 12A: The Cartesian Plane Questions: 12A	12A
	Friday	Re-Introduce 12B: Plotting Points from a Table of Values Questions: 12B	12B
	Monday	PROFESSIONAL DEVELOPMENT DAY NO CLASSES	
WEEK 4 Coordinate Geometry	Tuesday	Introduce 12C: Linear Relationships Questions: 12C	12C
coordinate coornery	Thursday	Worksheet/Activity	Worksheet
	Friday	Introduce 12D: Plotting Graphs of Linear Equations Questions: 12D	12D
	Monday	Introduce 12E: Horizontal Lines Questions: 12E Introduce 12F: Points on Lines Questions: 12F	12E 12F
WEEK 5	Tuesday	Chapter 12 Revision Questions: RS 12	RS 12
Coordinate Geometry	Thursday	Chapter 12 Revision Coordinate Geometry Worksheet	Worksheet
	Friday	Introduce 7B: Linear Equations Questions: 7B Introduce 7D: Inverse Operations Questions: 7D	7B 7D
	Monday	NAPLAN Preparation/Test 7B and 7D revision worksheet	
WEEK 6	Tuesday	Introduce 7F: Solving Equations Questions: 7F	7F
Coordinate Geometry	Thursday	Introduce 7F: Solving Equations Questions: 7F	7F
	Friday	Introduce 7G: Equations with a Repeated Unknown Questions: 7G	7G

	Monday	Introduce 7G: Equations with a Repeated Unknown	7G
	monday	Questions: 7G	10
WEEK 7	Tuesday	Introduce 16A: Writing Problems as Equations Questions: 16A	16A
Coordinate Geometry	Thursday	Introduce 16B: Problem Solving with Algebra Questions: 16B	16B
	Friday	Test Revision Worksheet	Test Notes Revision
	Monday	TEST: COORDINATE GEOMETRY	COORDINATE GEOMETRY TEST
WEEK 8	Tuesday	Introduce 2A: Sets Questions: 2A	2A
Coordinate Geometry	Thursday	Introduce 2B: Complement of a Set Questions: 2B	2B
	Friday	Introduce 2C: Intersection and Union Questions: 2C	2C
	Monday	Introduce 2E: Problem Solving with Venn Diagrams Questions: 2E Revision	2E Revision
WEEK 9 Probability	Tuesday	Introduce 15A: Probability Questions: 15A	15A
Frobability	Thursday	Introduce 15B: Sample Space Questions: 15B	15B
	Friday	Introduce 15C: Theoretical Probability Questions: 15C	15C
	Monday	Introduce 15D: Complementary Events Questions: 15D	15D
WEEK 10 Probability	Tuesday	Introduce 15E: Experimental Probability Questions: 15E	15E
	Thursday	FOLIO TASK: Probability	Folio
	Friday	Games/fun activities?	

WEEK 3: Monday 7/8/17 Lessons 7 & 8

12A: CARTESIAN PLANES

- Understand that a Cartesian plane describes all points on a set of x-y axes
- Identify each of the four quadrants of the Cartesian plane
- State coordinates of, and plot various points on the Cartesian plane
- Determine whether a set of points lie in a straight line
- When given a list of rules, determine which (if any) fit a set of points

CONTENT		LEARNING SUPPORTS	STUDENT RESOURCES
MEASUREMENT TEST	40min – 70min	<u>Worksheet</u>	<i>Cartesian Plane Worksheet</i> HAESE Textbook: Year 8 Maths
		Individual Reflection	TEACHER RESOURCES
Cartesian Plane Worksheet: Distribute to students as they complete the test.	20min	Small Group Discussion After test only	<i>Cartesian Plane Worksheet</i> HAESE Textbook: Year 8 Maths
EXTENSION		HOMEWORK	CLASSROOM PREPARATION
If students finish early, work on Exercise 12A HAESE Textbook. If extra time, summarise Cartesian Plane and do a question on the board (see textbook for options).		Complete Cartesian Plane Worksheet	Print worksheets

WEEK 3: Tuesday 8/8/17 Lesson 5

12B: PLOTTING POINTS FROM A TABLE OF VALUES

- Plot a series of points on a Cartesian plane from a given table of values
- Identify series of points that make straight lines on a Cartesian plane
- Make future pattern predictions about a series of values

CONTENT		LEARNING SUPPORTS	STUDENT RESOURCES
Recap 12A: Cartesian Planes and worksheet - go through worksheet answers and any questions students have - worked example 12B Q. 4, 7 Introduce 12B: Plotting Points from a Table of Values - example 12B 1b (?) Questions: 12B: 1a,c, 2, 4-6	10min 15min 15min	Whiteboard Individual Reflection Small Group Discussion Whole Class Discussion	HAESE Textbook: Year 8 Maths TEACHER RESOURCES HAESE Textbook: Year 8 Maths
EXTENSION		HOMEWORK	CLASSROOM PREPARATION
If students finish early (or extra time), work on re Exercise 12A/12B Textbook Questions.		Complete 12B: 1a,c, 2, 4-6	Bring whiteboard markers and textbook Bring worksheet answers and notes to worked solutions

WEEK 3: Thursday 10/8/17 Lesson 2

12A: THE CARTESIAN PLANE

- Draw a correctly labelled Cartesian plane
- Plot a series of positive and negative points on a Cartesian plane
- Label the origin and quadrants of a Cartesian plane
- Identify regions of positive or negative coordinates, and all coordinates with a specific x or y value

CONTENT		LEARNING SUPPORTS	STUDENT RESOURCES
Introduce 12A - Draw Cartesian plane (LABEL X/Y) - Discuss positive and negative axes and the origin - Show how to plot points	10min 15min	<u>Whiteboard</u>	HAESE Textbook: Year 8 Maths
(x,y) (on same axes) - Discuss quadrants		Individual Reflection	TEACHER RESOURCES
Questions: 12A 1-3		Small Group Discussion	IEAGHER RESOURCES
Discuss 12A q. 4	15min	Whole Class Discussion	HAESE Textbook:
Questions: 12A 4 Extension: 12A 6,8, worksheet #1, worksheet #2	3min		Year 8 Maths Video:
Video: Plotting Coordinates		<u>Video</u>	<u>https://tinyurl.com/glct3pt</u>
EXTENSION		HOMEWORK	CLASSROOM PREPARATION
If students finish early (or there is extra time), work on remaining Exercise 12A/12B HAESE Textbook Questions. Additional worksheets can be distributed.		Complete 12A: 1-4	Bring whiteboard markers and textbook Bring worksheet answers and notes to worked solutions

TOPIC 1: ALGEBRA AND COORDINATE GEOMETRY

WEEK 3: Friday 11/8/17 Lesson 2

12B: PLOTTING POINTS FROM A TABLE OF VALUES 12C: LINEAR RELATIONSHIPS

- Use their graphics calculator to plot a series of coordinates and determine if these points lie on a line
- Understand that if a series of points line on a straight line, their relationship is linear
- Identify independent and dependent variables and graph these on their respective axes
- Identify if a relationship between two variables is linear or not, and use this relationship to interpret data and make predictions

CONTENT		LEARNING SUPPORTS	STUDENT RESOURCES
Video: Plotting Coordinates	3min		
 Introduce 12B Explain table of values Draw example table and plot points Show how to use GC to plot points 	7min	<u>Whiteboard</u>	HAESE Textbook: Year 8 Maths
Questions: 12B 1,2,4,5 (GC), 6 (by hand)	10min	Individual Reflection	TEACHER RESOURCES
Introduce 12C		Small Group Discussion	
 Explain a straight line = linear relationship Independent/dependent variables Example: filling petrol over time 	10min	<u>Whole Class Discussion</u> <u>Video</u>	HAESE Textbook: Year 8 Maths
Questions: 12C 1-3 Extension: 12C 4 worksheet #1, worksheet #2	7min	<u>Game</u>	Video: <u>https://tinyurl.com/glct3pt</u>
Game: Buzz, wham, splat	3min		
EXTENSION		HOMEWORK	CLASSROOM PREPARATION
If students finish early (or there is extra time), work on extension questions or worksheet.		Complete 12B: 1,2,4,5	Bring whiteboard markers, GC and textbook Bring lesson notes

TOPIC 1: ALGEBRA AND COORDINATE GEOMETRY

WEEK 4: Thursday 17/8/17 Lesson 2

12D: PLOTTING GRAPHS OF LINEAR EQUATIONS

- Identify independent and dependent variables and graph these on their respective axes
- Identify patterns in tables of values and write a linear equation representative of those same values
- Graph equations using a table of values

CONTENT		LEARNING SUPPORTS	STUDENT RESOURCES
Homework: Go through 12C 3 – examples of independent and dependent variables	10min	<u>Whiteboard</u>	HAESE Textbook: Year 8 Maths
Introduce 12D - Explain patterns in tables			
of values (find equation) - Reference equations from	10min	Individual Reflection	TEACHER RESOURCES
earlier in the year		Small Group Discussion	
Questions: 12D 1 odd Extension: 12D 1 even worksheet #1, worksheet #2	15min	Whole Class Discussion	HAESE Textbook: Year 8 Maths
EXTENSION		HOMEWORK	CLASSROOM PREPARATION
If students finish early (or extra time), show students graph equations on their g calculators.	how to	Complete 12D: 1 odd	Bring whiteboard markers, GC and textbook Bring lesson notes

TOPIC 1: ALGEBRA AND COORDINATE GEOMETRY

WEEK 4: Friday 18/8/17 Lesson 5

12D: PLOTTING GRAPHS OF LINEAR EQUATIONS

- Graph linear equations using a table of values
- Graph linear equations using a graphics calculator

CONTENT		LEARNING SUPPORTS	STUDENT RESOURCES
Worksheet : Graphing Linear Equations	20min	<u>Whiteboard</u>	HAESE Textbook: Year 8 Maths Graphics Calculators
12D: Graphics Calculators		Individual Reflection	Worksheet: "Graphing Linear Equations"
- Explain how to graph equations on graphics	10min	Small Group Discussion	TEACHER RESOURCES
calculators - Example Questions		Whole Class Discussion	HAESE Textbook: Year 8 Maths
Game : Counting to 20 or Buzz, Wham, Splat!	5min	<u>Game</u>	Worksheet: "Graphing Linear Equations"
EXTENSION		HOMEWORK	CLASSROOM PREPARATION
If students finish early (or extra time), distribute coor revision worksheet, or p game for a longer time (so they behave)	ordinate lay the	Complete Worksheet: Graphing Linear Equations	Bring whiteboard markers, GC and textbook Bring lesson notes

TOPIC 1: ALGEBRA AND COORDINATE GEOMETRY

WEEK 5: Monday 21/8/17 Lessons 7 & 8

12E: HORIZONTAL AND VERTICAL LINES 12F: POINTS ON A LINE

- Graph linear equations using a graphics calculator
- Graph horizontal and vertical lines when given their equation
- Identify the equation of given horizontal or vertical lines
- Determine whether a point lies on a line when given the linear equation

CONTENT		LEARNING SUPPORTS	STUDENT RESOURCES
 12D: Graphics Calculators Explain how to graph equations on graphics calculators Practice questions 	15min	<u>Whiteboard</u>	HAESE Textbook: Year 8 Maths
Introduce 12E: Horizontal and Vertical Lines - Example: graph y=2, graph x=-4	10min	Individual Reflection	Graphics Calculators
Questions: 12E 1 odd, 2	10min	Small Group Discussion	TEACHER RESOURCES
Introduce 12F: Points on a Line - Worked examples	15min	Whole Class Discussion	
Questions: 12F 1a, 2, 3 odd	15min	<u>Game</u>	HAESE Textbook: Year 8 Maths
Game : Counting to 20 or Buzz, Wham, Splat! (<i>depending on</i> <i>behaviour</i>)	5min		
EXTENSION		HOMEWORK	CLASSROOM PREPARATION
If students finish early (or there is extra time), revise coordinate geometry so far		Complete 12E 1 odd, 2 Complete 12F 1a, 2, 3 odd	Bring whiteboard markers, GC and textbook
<u>.</u>			Bring lesson notes

TOPIC 1: ALGEBRA AND COORDINATE GEOMETRY

WEEK 5: Tuesday 22/8/17 Lesson 5

12: REVISION

Intended learning outcomes: At the conclusion of this lesson, students will be able to:

• Confidently answer a series of review questions on all coordinate geometry content learned so far

CONTENT		LEARNING SUPPORTS	STUDENT RESOURCES
		<u>Whiteboard</u>	HAESE Textbook: Year 8 Maths
			Graphics Calculators
Revision: Review Set 12	35min	Individual Revision	TEACHER RESOURCES
		Small Group Discussion	HAESE Textbook: Year 8 Maths
EXTENSION		HOMEWORK	CLASSROOM PREPARATION
If students finish early (or there is extra time), begin working on Chapter 12 Practice Tests		Complete Review Set 12	Bring whiteboard markers, GC and textbook

WEEK 5: Thursday 24/8/17 Lesson 2

12: REVISION

Intended learning outcomes: At the conclusion of this lesson, students will be able to:

• Confidently answer a series of review questions on all coordinate geometry content learned so far

CONTENT		LEARNING SUPPORTS	STUDENT RESOURCES
Revision: Revision Worksheet, Practice Tests 12B and 12C	35min	<u>Whiteboard</u> Individual Revision Small Group Discussion	HAESE Textbook: Year 8 Maths Worksheet: "Linear Relationships" Graphics Calculators TEACHER RESOURCES HAESE Textbook: Year 8 Maths Worksheet: "Linear Relationships"
EXTENSION		HOMEWORK	CLASSROOM PREPARATION
If students finish early (or there is extra time), begin writing some revision notes for the upcoming test.		Complete Revision Worksheet	Bring whiteboard markers, GC and textbook