TERM 1	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
HOURS PER TOPIC	9 HOURS		9 HOUF	RS	9 HOURS		4,5 HOURS			
ASSESSMENT TASKS) & TEST							
TOPIC, CONCEPTS, SKILLS AND VALUES	 Recognise the division produced by 0 is dusing whole numbers. Calculations using all for numbers, estimating and appropriate Calculation techniques Use a range of strategie written and mental calcunumbers including: Estimation Adding, subtracting and Long division Rounding off and compering a calculator Multiples and factors Revise Prime factors of number numbers LCM and HCF of whole factorisation Solving problems Revise Solve problems involving including: Comparing two or more kind (ratio) Comparing two quantities Sharing in a given ratio 	one in the previous grades property of 0, whereby any undefined Calculations Revise: Our operations on whole discussing calculators where the using calculators where the using calculators where the stoperform and check plations with whole the multiplying in columns the ensating the stoperform and check plations with whole the unumbers, by inspection or the same the stoperform the same the stoperform the same the stoperform the same the stoperform and check plate the whole is given the same the stoperform and check plate the whole is given the same the stoperform and check plate the same that the stoperform and check plate the same that the stoperform and check plate the stoperform and chec	INTEGERS Calculations with integers • Revise addition and integers • Multiply and divide of the perform calculations operations with integers operations with number squares, cubes, squares, cubes, squares of integers • Recognise and use associative and district of addition and multintegers • Recognise and use multiplicative invers	d subtraction with with integers is involving all four gers is involving all four abers that involve uare roots and irs commutative, ributive properties iplication for additive and	fractions by company of the common fractions of with the control of the common fractions of the common of words and culations are common fractions of with the common of words and culations by control of the common of the commo	numbers and common ommon fractions squares, cubes, square e roots of common ounts if given percentage ecrease and solving problems niques ge of reciprocal to divide common ounts if given percentage es es in contexts involving ions and mixed numbers, uping, sharing and finding	and cube roots of decimal fractions Calculation techniques Use knowledge of place value to estimate the number of decimal places in the result before performing calculations Use rounding off and a calculator to check results where appropriate Solving problems Solve problems in context involving decimal fractions	exponential form Compare and reproduced in the compare and reprod	esent integers in expessent numbers in scent exponents imbers in exponents aws of exponents, limits imbers in exponents imbers in ex	onential form ientific notation, tial form mited to: vs of operations d square and cube operations with square and cube

TERM 1	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
HOURS PER TOPIC	9 HOURS		9 HOURS		9 HOURS		4,5 HOURS	13,5 HOURS		
PREREQUISITE SKILL/ PRE- KNOWLEDGE	 Order and compare procession of the compared procession of the compared procession of the compared properties. Prime factors of numbers of numbers. LCM and HCF of numer numbers, by inspection. Solve problems involvincluding: 	ing whole numbers, quantities of the same kind s of different kinds (rate)	 integers for any ir Recognise, order integers Add and subtract Recognise and us and associative p addition and mult integers Solve problems ir 	nterval and compare with integers se commutative roperties of	where one de multiple of the Multiplication including mix fractions whe multiple of an Converting m fractions Use knowled factors to writ form before of Use knowled to add and suin order to pethem Calculate the whole Calculate per	of common fractions, ed numbers, not limited to re one denominator is a	 Multiplication of decimal fractions by whole numbers and decimals Division of decimal fractions by whole numbers Use knowledge of Place value to estimate 	 Compare and represable = a × a × a × f Recognise and use numbers involving e Perform calculations numbers in exponer and square and cub Solve problems in or form 	for b number of facto the appropriate laws xponents and square involving all four op tial form, limited to e e roots	rs of operations with and cube roots erations using

TERM 2	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10	WEEK 11	WEEK 12	
HOURS PER TOPIC	9 HO	OURS	9 HOURS		9 HOURS		9 HOURS		9 HOURS				
ASSESSMENT TASKS					INV	INVESTIGATION (Topics not yet taught) & JUNE TEST							
SKILLS	and classify liliterms in algeb Recognise an coefficients ar algebraic explex and and simp expressions Use commutative distributive laws for numbers and laws Add and subtralgebraic explex algebraic explex and laws Multiply integrated monomials by a monomials by a monomial by a monomial and	didentify or writing ressions Identify ke and unlike praic expressions id identify and exponents in ressions lify algebraic associative and or rational sof exponents to: tract like terms in pressions gers and y: alls lisuals lisuals lisuals braic expressions above operations above operations e squares, cubes, and cube roots of aic terms or like ms perical value of	- Using additive a Inverses - Using laws of ex	n equations to f ordered pairs uations to include: nd multiplicative	for patterns a using: - Flow diagraterns a using: - Tables - Formulae • Extend deterns a using equation • Revise, deterns and justify endifferent designation presented: - Verbally - In flow diagraterns and justify endifferent designation presented: - Verbally - In flow diagraterns and justify endifferent designation presented: - Verbally - In flow diagraterns and justify endifferent deterns and justify	trut values rmine input ut values or rules and relationships ams rmine input ut values or rules and relationships ons s rmine, interpret quivalence of criptions of the nship or rule agrams alae er sentences rmine, interpret quivalence of criptions of the nship or rule	GRAPHS Interpreting graphs Analyse and interpresident situations, on the following trer Linear or non-lineation of the constant, increased in Maximum or minination of the constant of the c	with special focus and and features: ar ing or decreasing mum uous from given oblem situation, listed above ed pairs to plot	REVISIO	N .	FORMAL ASSESSMENT TASK TEST All term 1 & 2 topics		
PREREQUISITE SKILL/ PREKNOWLEDGE	relationships re symbolic form	es and constants	that describe a given Solve and complet by: - Inspection - Trial and improven Determine the numexpression by subs	erret number sentences en situation e number sentences ement nerical value of an stitution and constants in given	patterns and using flow di and formulae Determine, in justify equiva descriptions relationship overbally, in flo	s or rules for relationships agrams, tables e nterpret and alence of different of the same or rule presented ow diagrams, in mulae and by							

TERM 3	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10	WEEK 11
HOURS PER TOPIC	9 HOURS		13,5 HOURS			9 HOURS		9 HOURS		9	HOURS
ASSESSMENT TASKS			•		PROJEC1	& TEST		•			
TOPIC, CONCEPTS, SKILLS AND VALUES	GEOMETRY OF STRAIGHT LINES Angle relationships Recognise and describe pairs Perpendicular lines Intersecting lines parallel Solving problems Solve geometric problems using pairs of angles described above	of angles formed by: I lines cut by a transversal Ing the relationships between	of their sides an - Equilateral - Isosceles tr - Right-angle Constructions PROVIDE LEARNE CONSTRUCTED FIGURES TO INVESTRIANGLES Investigating prope Investigate the silent and the sides and terms of their silent between: - Parallelogra - Rectangle - Square - Rhombus - Trapezium - Kite Constructions PROVIDE LEARNE CONSTRUCTED FIGURES TO INVESTIGURES TO INVEST	te clear definitions of trad angles, distinguishing triangles iangles de triangles RS WITH ACCURATE STIGATE THE PROPERTIES of geometric figurangles in a triangle, for the interior angles of an isopes te clear definitions of quadrate and base angles, distinguishes and angles, distinguishes and angles in quadrate and the interior angles of quadrate and angles in quadrate and angles and angles of quadrate and angles in quadrate and angles and quadrate definitions are the properties of a problems involving uniangles and quadrate and angles and quadrate angles angles and quadrate angles angles and quadrate angles angles and quadrate angles angle	ELY ERTIES OF gures cusing on: iangles I triangle osceles triangle uadrilaterals in guishing ELY ERTIES OF gures laterals, focusing uadrilaterals arallelograms hknown sides rals, using known Congruent similar shapes hknown sides	lengths of the sides triangle to develop Pythagoras Determine whether angled triangle or rethree sides of the text. Use the Theorem of calculate the missis angled triangle, lear answers in surd for the sides.	ationship between the s of a right-angled the Theorem of r a triangle is right-not if the lengths of the triangle is known of Pythagoras to ing length in a right-aving irrational	and/or triangles Use and describe between the radiu circumference of calculations Use and describe between the radiu circle in calculation circle in calculation. Calculations and so calculator, involving area of polygons least 2 decimal pleast 2 decimal pleast 2 decimal num calculations involving involving the irrational num calculations involving involving the irrational num calculations involving i	ormulae to er and area of: as of polygons, to places, by minto rectangles the relationship is, diameter and a circle in the relationship is and area of a ons oliving problems with or without a ng perimeter and and circles to at aces the meaning of ber Pi (π) in ving circles between its, including: mm²	REVISION	FORMAL ASSESSMENT TASK TEST All term 3 topics

TERM 3	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10	WEEK 11
HOURS PER TOPIC	9 HOL	13,5 HOURS			9 HOURS		9 HOURS				
PREREQUISITE SKILL/ PREKNOWLEDGE	Definitions of: - Line segment - Ray - Straight lines - Parallel lines - Perpendicular lines		their sides and Equilateral t Isosceles tri Right-angled Describe, sort of: Length of side Parallel and Size of angled Describe and	angles I triangles , name and compare qu	adrilaterals in terms	roots of whole n	quares and square numbers	 Geometry of 2D Algebraic equal Calculate the so square roots ar rational number 	tions quares, cubes, id cube roots of		

TERM 4	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10		
HOURS PER TOPIC	9 НС	DURS	9 НС	DURS	9 НС	4,5 HOURS		13,5 HOURS				
ASSESSMENT TASKS					EXAMINATION: APER 1 & PAPER 2							
TOPIC, CONCEPTS, SKILLS AND VALUES	geometric patterns lo between numbers, ir Represented in ph Not limited to seque constant difference of the constant difference	I patterns Ind extend numeric and poking for relationships including patterns: ysical or diagram form pences involving a per ratio preation poles Ind extend numeric and poking for relationships including patterns ically the general rules for ps between numbers in		T	REVISION OF ERM 1 – 4 WORK			FORMAL AS EXAMINATIO PAPER 2 All topics from	N PAPER 1 A			
PREREQUISITE SKILL/ PREKNOWLEDGE	between numbersDescribe and justify	poking for relationships										