GRADE 5 SCIENCE PORTIONS 2022-23			
SUBJECT TEACHER : ARSHIYA AMREEN			
UNIT-1	UNIT-1 TOPICS	MONTHS	PT
LIFE CYCLE AND GROWTH OF	THE STRUCTURE OF FLOWERING PLANTS	JUNE	PT-1
FLOWERING PLANTS	FLOWERING PLANTS AND REPRODUCTION		
	OBSERVING SEEDS		
	SPREADING SEEDS BY WIND AND WATER		
	SPREADING SEEDS BY ANIMALS AND EXPLOSION		
	POLLINATING FLOWER	JULY	PT-1
	ATTRACTING INSECTS POLLINATORS		
	LOOKING AT FLOWERS IN DETAILS		
	FERTILISATION IN FLOWERING PLANTS		
	LIFE CYCLE OF FLOWERING PLANTS		
	DOES SEED GERMINATION NEED LIGHT?		
	DOES SEED GERMINATION NEED WATER AND WARMTH?		
	PLANT AND WATER		
	PLANT AND LIGHT		
	CAN PLANTS HAVE TOO MUCH LIGHT		
	PLANTS AND WARMTH		
UNIT-2	UNIT-2 TOPICS	AUGUST	PT-2
LIFE CYCLE AND GROWTH OF	LIFE PROCESS		
ANIMALS AND HUMANS	LIVING OR NON LIVING?		
	COMPARING PLANTS AND ANIMALS		
	REPRODUCTION IN ANIMALS AND HUMANS		
	LIFE CYCLE OF INSECTS		
	LIFE CYCLE OF AMPHIBIANS AND BIRDS		
	LIFE CYCLE OF MAMMALS		
	HUMAN GROWTH		
UNIT-3	UNIT-3 TOPICS	SEPTEMBER	PT-2
PROPERTIES AND CHANGES OF	COMPARING AND EXPLORING THE USES OF MATERIALS		
MATERIALS	REVERSIBLE AND IRRIVERSIBLE CHANGES		
	ARE COOKING,HEATING AND BURNING REVERSIBLE		
	AND IRRIVERSIBLE CHANGES?		
	PUTTING OUT FIRES		
	SEPERATING MIXTURES OFSOLIDS		
	ADDING SOLIDS TO WATER		
	SEPERATING INSOLUBLE SOLIDS FROM LIQUIDS BY		
	FILTERING		
	USING MORE SEPERATING TECHNIQUES		

	INVESGATING SOLIDS AND AND SOLUTIONS		
	ENERGY CHANGES AND REACTIONS		
UNIT-4	UNIT-4 TOPICS	OCTOBER	PT-2
EARTH AND SPACE	THE SOLAR SYSTEM		
	THE SUN APPEARS TO MOVE BUT IT DOESNOT		
	DAY AND NIGHT		
	HOW LONG DOES IT TAKESTHE EARTH TO SPIN ON ITS		
	AXIS		
	SHADOW AND CHANGE		
	WE SAY THE SUN RISES AND SETS		
	THE SEASONS IN A YEAR		
	THE SHAPE OF THE EARTH, SUN AND MOON		
UNIT-5	UNIT-5 TOPICS	NOVEMBER	PT-3
FORCES IN ACTION	THINGS THAT GO UP ALWAYS COME DOWN		
	MASS AND WEIGHT		
	INVESGATING GRAVITY,MASS AND WEIGHT		
	MEASURING MASS AND WEIGHT		
	INVESTIGATING FORCES		
	INVESTIGATING MAGNETISM AND FLOATING		
	BALANCED AND UNBALANCED FORCES	DECEMBER	PT-3
	ENERGY TRANSFERS		
	INVESTIGATING FRICTION		
	FRICTION AND AIR RESISTANCE		
	FRICTION AND WATER RESISTANCE		
	INVESTIGATING SIMPLE MACHINES		
	USING LIVER AS A FORCE MULTIPLIER		

GRADE 5 - ISLAMIC STUDIES		
Unit 1	Faith and Belief in Islam	PT1
Unit 2	Charity in Islam	PT1
Unit 3	HAjj in Islam	PT2
Unit 4	Qur'an: the Holy scripture of Islam	PT2
Unit 5	The life of the Prophet Muhammed (saw)	PT2
Unit 6	The Hadith Literature	PT3
Unit 7	The Exemplary virtues of Sahabah	PT3
Unit 8	Best friend of ALLAH	PT3
Unit 9	The Story of Prophet Yusuf(as)	PT3
Unit 10	The Rightly guided Caliph: Uthman (ra)	PT3

GRADE 5 MATH

SABA TABASSUM

Strand	Unit	Lesson No.	Lesson title	Power Up specifics		
Number – number and place value	Unit 1	1	Numbers to 10,000	Children choose a number (up to 6 digits) and whether to count forwards and backwards in steps of 10, 100 or 1,000.	June 2022	PT1
Number – number and place value	Unit 1	2	Rounding to the nearest 10, 100 and 1,000	Children read, write and compare 4-digit numbers by playing a game in pairs. Children generate a 4-digit number using dice, deciding in which column to place their digit in order to make the largest/smallest number possible.	June 2022	PT1
Number – number and place value	Unit 1	3	10,000s, 1,000s, 100s, 10s and 1s (1)	Children choose a number (up to 6 digits) and whether to round to the nearest 10, 100, 1,000 or 10,000.	June 2022	PT1
Number – number and place value	Unit 1	4	10,000s, 1,000s, 100s, 10s and 1s (2)	Children use a number line to count forwards and backwards in jumps of 100. Includes negative numbers.	June 2022	PT1
Number – number and place value	Unit 1	5	The number line to 100,000	Children find many different ways to partition the number 524.	June 2022	PT1
Number – number and place value	Unit 1	6	Comparing and ordering numbers to 100,000	Children use number lines to count forwards and backwards in steps of 1,000 and 10,000.	June 2022	PT1
Number – number and place value	Unit 1	7	Rounding numbers within 100,000	Children use part-whole models to partition 4-digit numbers.	June 2022	PT1
Number – number and place value	Unit 1	8	Roman numerals to 10,000	Children choose a 5-digit number then whether to round to the nearest 10, 100, 1,000 or 10,000.	June 2022	PT1
Number – number and place value	Unit 2	1	100,000s, 10,000s, 1,000s, 100s, 10s and 1s (1)	Children read and write Roman numerals less than 1,000. Children also write out given years in Roman numerals.	July 2022	PT1
Number – number and place value	Unit 2	2	100,000s, 10,000s, 1,000s, 100s, 10s and 1s (2)	Children use place value grids to read and write 6-digit numbers.	July 2022	PT1
Number – number and place value	Unit 2	3	Number line to 1,000,000	Children find multiple ways to partition the number 25,736.	July 2022	PT1
Number – number and place value	Unit 2	4	Comparing and ordering numbers to 1,000,000	Children use number lines to find half-way numbers.	July 2022	PT1
Number – number and place value	Unit 2	5	Rounding numbers to 1,000,000	Children count forwards and backwards in steps of 1,000, 10,000 and 100,000 from 452,900.	July 2022	PT1
Number – number and place value	Unit 2	6	Negative numbers	Children count backwards in steps of 1,000, 10,000 and 100,000, including negative numbers.	July 2022	PT1
Number – number and place value	Unit 2	7	Counting in 10s, 100s, 1,000s, 10,000s	Children practise reading, writing and comparing 5-digit numbers by playing a game in pairs. Children generate a 5-digit number using dice, and decide in which column to place their digit in order to make the largest/smallest number possible.	July 2022	PT1
Number – number and place value	Unit 2	8	Number sequences	Children recap Roman numerals less than 1,000 and are asked to write a given year in Roman numerals.	July 2022	PT1
Number – addition and subtraction	Unit 3	1	Adding whole numbers with more than 4 digits (1)	Children find eight ways to partition 573,282.	July 2022	PT1
Number – addition and subtraction	Unit 3	2	Adding whole numbers with more than 4 digits (2)	Children halve powers of tens (up to and including millions), write out and look for patterns.	July 2022	PT1
Number – addition and subtraction	Unit 3	3	Subtracting whole numbers with more than 4 digits (1)	Children use a place value grid to identify a 5-digit number. They then follow instructions to add 1, 10, 100 and 1,000.	July 2022	PT1
Number – addition and subtraction	Unit 3	4	Subtracting whole numbers with more than 4 digits (2)	Children use a place value grid to identify a 5-digit number. They then follow instructions to add 1, 10, 100 and 1,000. Involves exchange.	July 2022	PT1
Number – addition and subtraction	Unit 3	5	Using rounding to estimate and check answers	Children use a place value grid to identify a 5-digit number. They then follow instructions to subtract 1, 10, 100 and 1,000.	July 2022	PT1
Number – addition and subtraction	Unit 3	6	Mental addition and subtraction (1)	Children use a place value grid to identify a 5-digit number. They then follow instructions to subtract 1, 10, 100 and 1,000. Involves exchange.	July 2022	PT1
Number – addition and subtraction	Unit 3	7	Mental addition and subtraction (2)	Children create a 5-digit number, then add 9, 99, 999 and 9,999 to the number mentally by adding 10, 100, 1,000 and 10,000 and adjusting.	July 2022	PT1
Number – addition and subtraction	Unit 3	8	Using inverse operations	Children create a 5-digit number, then subtract 9, 99, 999 and 9,999 from the number mentally by subtracting 10, 100, 1,000 and 10,000 and adjusting.	July 2022	PT1
Number – addition and subtraction	Unit 3	9	Problem solving – addition and subtraction (1)	Children add and subtract 5-digit numbers with exchange using formal columnar method.	July 2022	PT1
Number – addition and subtraction	Unit 3	10	Problem solving – addition and subtraction (2)	Children add and subtract an uneven amount of digits (up to 5-digit numbers) with exchange using formal columnar method, being mindful of the need to line up the digits in the correct column.	July 2022	PT1
Statistics	Unit 4	1	Interpreting tables	Children add and subtract 3- and 4-digit numbers and use rounding to the nearest 100 or 1,000 to estimate the answer first.	August 2022	PT2
Statistics	Unit 4	2	Two-way tables	Children fill in missing digits in formal columnar additions and subtractions. No exchanges.	August 2022	PT2
Statistics	Unit 4	3	Interpreting line graphs (1)	Children fill in missing digits in formal columnar additions and subtractions, up to and including 7-digit numbers, with no exchange.	August 2022	PT2
Statistics	Unit 4	4	Interpreting line graphs (2)	Children fill in missing digits in formal columnar additions and subtractions, up to and including 7-digit numbers, with one exchange	August 2022	PT2
Statistics	Unit 4	5	Drawing line graphs	Children fill in missing digits in formal columnar additions and subtractions, up to and including 5-digit numbers, with more than one exchange.	August 2022	PT2

Strand	Unit	Lesson number	Lesson title	Power Up specifics		
Number – multiplication and division	Unit 5	1	Multiples	Children add and subtract 3- or 4-digit numbers, using rounding to the nearest 100 or 1,000 to estimate answer first.	August 2022	PT2
Number – multiplication and division	Unit 5	2	Factors	Children create a 6-digit number, then add or subtract a combination of 1, 10, 100, 1,000, 10,000 and 100,000. Children calculate mentally and write down the new number made.	August 2022	PT2
Number – multiplication and division	Unit 5	3	Prime numbers	Children use a bar model to solve a word problem with three numbers of at least 5 digits.	August 2022	PT2
Number – multiplication and division	Unit 5	4	Using factors	Children complete calculations using the 6, 7 and 8 times-tables.	August 2022	PT2
Number – multiplication and division	Unit 5	5	Squares	Children use multiplication to create number facts.	August 2022	PT2
Number – multiplication and division	Unit 5	6	Cubes	Children complete number sentences using the 9, 11 and 12 times-tables.	August 2022	PT2
Number – multiplication and division	Unit 5	7	Inverse operations	Children use known multiplication facts and related division facts to solve calculations.	August 2022	PT2
Number – multiplication and division	Unit 5	8	Multiplying whole numbers by 10, 100 and 1,000	Children work in pairs and use digit cards to generate a 2-digit number. Children list all factors of the number.	August 2022	PT2
Number – multiplication and division	Unit 5	9	Dividing whole numbers by 10, 100 and 1,000	Guess my number game. Teacher thinks of a 2-digit number. Children ask yes/no answer questions to find out the number. Children use properties of number language such as prime, composite, multiples and factors, bigger than, less than to deduce the number.	August 2022	PT2
Number – multiplication and division	Unit 5	10	Multiplying and dividing by multiples of 10, 100 and 1,000	Children throw a dice two times to generate a 2-digit number, and list all the factor pairs of their number. Then repeat with another number.	August 2022	PT2
Measurement	Unit 6	1	Measuring perimeter	Children use digit cards to generate a 2-digit number and list all the factors of their number. They then compare with their partner's number and list common factors.	August 2022	PT2
Measurement	Unit 6	2	Calculating perimeter (1)	Children write out number sentences for numbers represented on place value grids with counters.	August 2022	PT2
Measurement	Unit 6	3	Calculating perimeter (2)	Children use known multiplication and division facts to divide a multiple of 10 by a 2-digit number, e.g. 560 ÷ 80 = 7.	August 2022	PT2
Measurement	Unit 6	4	Calculating area (1)	Children find three different factor pairs of 120.	August 2022	PT2
Measurement	Unit 6	5	Calculating area (2)	Guess my number game. Teacher thinks of a 2-digit number. Children ask yes/no answer questions to find out the number. Children use properties of number language such as prime, composite, multiples and factors, bigger than, less than to deduce the number.	August 2022	PT2
Measurement	Unit 6	6	Comparing area	Children use a Gattegno chart (hundredths to ten thousands) and find patterns and explain them.	August 2022	PT2
Measurement	Unit 6	7	Estimating area	Children use a Gattegno chart (hundredths to ten thousands) and find the possible path from 0.07 to 40,000.	August 2022	PT2

Textbook 5B (Term 2) overview

Strand	Unit	Lesson number	Lesson title	Power Up specifics		
Number – multiplication and division	Unit 7	1	Multiplying numbers up to 4 digits by a 1-digit number	Children choose a 1- or 2-digit number by throwing a dart and square the number. They can use multiplication facts to help.	September 2022	PT2
Number – multiplication and division	Unit 7	2	Multiplying 2-digit numbers (1)	Children choose a 1- or 2-digit number by throwing a dart and cube the number. They can use multiplication facts to help.	September 2022	PT2
Number – multiplication and division	Unit 7	3	Multiplying 2-digit numbers (2)	Children insert numbers into a function machine which cubes all numbers.	September 2022	PT2
Number – multiplication and division	Unit 7	4	Multiplying 2-digit numbers (3)	Guess my number game. Teacher thinks of a 2-digit number. Children ask yes/no answer questions to find out the number. Children use properties of number language such as prime, composite, multiples and factors, bigger than, less than to deduce the number.	September 2022	PT2
Number – multiplication and division	Unit 7	5	Multiplying a 3-digit number by a 2-digit number	Children use known multiplication and division facts to multiply and divide multiples of 10 or 100.	September 2022	PT2
Number – multiplication and division	Unit 7	6	Multiplying a 4-digit number by a 2-digit number	Children use known multiplication and division facts to multiply and divide multiples of 10, 100 or 1,000.	September 2022	PT2
Number – multiplication and division	Unit 7	7	Dividing up to a 4-digit number by a 1-digit number (1)	Children throw darts to choose a 2-digit number and 1-digit number to subtract mentally.	September 2022	PT2
Number – multiplication and division	Unit 7	8	Dividing up to a 4-digit number by a 1-digit number (2)	Children recap formal written multiplication of 3-digit numbers by 1-digit numbers and explore the answer of the same 3-digit number when multiplied by a multiple of 10, e.g. 245 × 2 = 490; and 245 × 20 = 4,900.	September 2022	PT2
Number – multiplication and division	Unit 7	9	Division with remainders (1)	Children recap formal written multiplication of 3-digit numbers by 1-digit numbers and explore the answer of the same 3-digit number when multiplied by a multiple of 10, e.g. 357 × 6 = 2,142; 357 × 60 = 21,420.	September 2022	PT2
Number – multiplication and division	Unit 7	10	Division with remainders (2)	Guess my number game. Teacher thinks of a 2-digit number. Children ask yes/no answer questions to find out the number. Children use properties of number language such as prime, composite, multiples and factors, bigger than, less than to deduce the number.	September 2022	PT2
Number – multiplication and division	Unit 7	11	Problem solving – division with remainders	Children use partitioning to help divide mentally 2-digit numbers by 1-digit numbers (with no remainders).	September 2022	PT2
Number – fractions	Unit 8	1	Equivalent fractions	Children use partitioning to divide mentally 3-digit numbers by 1-digit numbers (with no remainders).	September 2022	PT2
Number – fractions	Unit 8	2	Converting improper fractions to mixed numbers	Children use partitioning to divide mentally 3-digit numbers by 1-digit numbers (with no remainders).	September 2022	PT2

Number - fractions	Unit 8		3	Converting mixed numbers to improper fractions	Children use partitioning to divide mentally 3-digit numbers by 2-digit numbers (with no remainders).	Septermber 2022	PT2
Number - fractions	Unit 8		4	Number sequences	Children use partitioning to divide mentally 4-digit numbers by 2-digit numbers (with no remainders).	Septermber 2022	PT2
Number - fractions	Unit 8		5	Comparing and ordering fractions (1)	Children link the partitioning method to formal short method of division	Septermber 2022	PT2
Number - fractions	Unit 8		6	Comparing and ordering fractions (2)	Children link the partitioning method to formal short method of division of 3-digit numbers by 2-digit numbers.	Septermber 2022	PT2
Number - fractions	Unit 8		7	Fractions as division (1)	Children play game in pairs, similar to 'Rock, paper, scissors' but show a number of fingers instead. Children find the product of the fingers shown on one hand. First person to call out the correct answer wins a point.	Septermber 2022	PT2
Number - fractions	Unit 8		8	Fractions as division (2)	Children play game in pairs, similar to 'Rock, paper, scissors' but show a number of fingers instead. Children use both hands and find the product of the fingers shown. First person to call out the correct answer wins a point.	Septermber 2022	PT2
Number - fractions	Unit 9		1	Adding and subtracting fractions with the same denominator	Children play game in pairs, similar to 'Rock, paper, scissors' but show a number of fingers instead. Player 2's fingers are worth 10× their number. Children use both hands and find the product of the fingers shown. First person to call out the correct answer wins a point.	October 2022	PT2
Number - fractions	Unit 9		2	Adding and subtracting fractions (1)	Children play game in pairs, similar to 'Rock, paper, scissors' but show a number of fingers instead. Player 2's fingers are worth 10× their number. Children use both hands and find the product of the fingers shown. First person to call out the correct answer wins a point.	October 2022	PT2
Number - fractions	Unit 9		3	Adding and subtracting fractions (2)	Children play game in pairs, similar to 'Rock, paper, scissors' but show a number of fingers instead. Both player's fingers are worth 10× their number. Children use both hands and find the product of the fingers shown. First person to call out the correct answer wins a point.	October 2022	PT2
Number - fractions	Unit 9		4	Adding fractions (1)	Children work out rules for function machines.	October 2022	PT2
Number - fractions	Unit 9		5	Adding fractions (2)	Children work out the fraction of shaded shapes, and simplify where possible.	October 2022	PT2
Number - fractions	Unit 9		6	Adding fractions (3)	Children draw three rectangles on whiteboard and divide each rectangle into tenths. Children throw a dice and colour in this number of tenths in the first rectangle, repeat for the second rectangle, then colour in the total of these tenths in the third rectangle.	October 2022	PT2
Number - fractions	Unit 9		7	Subtracting fractions (1)	Children draw a 100 square to show hundredths. In pairs, children take turns to roll the dice, colouring in the number of hundredths shown on the dice. Children write the addition fact and answer as they add on hundredths.	October 2022	PT2
Number - fractions	Unit 9		8	Subtracting fractions (2)	Children use >, < or = to compare fractions where the denominators are multiples of the same number.	October 2022	PT2
Number - fractions	Unit 9		9	Subtracting fractions (3)	Children order five proper fractions where the denominators are all multiples of the same number in ascending order.	October 2022	PT2
Number - fractions	Unit 9		10	Subtracting fractions (4)	Children place five proper fractions where the denominators are all multiples of the same number on a number line.	October 2022	PT2
Number - fractions	Unit 9		11	Problem solving – mixed word problems (1)	Children create an improper fraction then draw out the fraction using fraction strips.	October 2022	PT2
Number - fractions	Unit 9		12	Problem solving – mixed word problems (2)	Children create an improper fraction then find the mixed number equivalent.	October 2022	PT2
Number - fractions	Unit 10		1	Multiplying fractions (1)	Children identify the mixed number shown.	October 2022	PT2
Number - fractions	Unit 10		2	Multiplying fractions (2)	Children identify the improper fraction shown.	October 2022	PT2
Number - fractions	Unit 10		3	Multiplying fractions (3)	Children draw three rectangles on whiteboard and divide each rectangle into ninths. Children throw a dice and colour in this number of ninths in the first rectangle, repeat for the second rectangle, then colour in the total of these ninths in the third rectangle.	October 2022	PT2
Number - fractions	Unit 10		4	Multiplying fractions (4)	Children have nine counters representing nine ninths. They roll a dice and subtract that number of ninths. Children do this mentally first then write out the number sentence.	October 2022	PT2
Number - fractions	Unit 10		5	Calculating fractions of amounts	Children have eight counters representing eight eighths. They roll a dice and subtract that number of eighths. Children do this mentally first then write out the number sentence.	October 2022	PT2
Number - fractions	Unit 10		6	Using fractions as operators	Children find the sum of pairs of proper fractions where the denominators are multiples of the same number, then simplify the answers.	October 2022	PT2
Number - fractions	Unit 10		7	Problem solving – mixed word problems	Children find the sum of pairs of proper fractions where the denominators are multiples of the same number but can be simplified to find a common denominator.	October 2022	PT2
Number - fractions (including decimals and percentages)	Unit 11		1	Writing decimals (1)	Children find the difference between pairs of proper fractions where the denominators are multiples of the same number.	November 2022	PT3
Number - fractions (including decimals and percentages)	Unit 11		2	Writing decimals (2)	Children simplify fractions with denominators that are multiples of the same number, and put them into a function machine with the function -1. 6	November 2022	PT3
Number - fractions (including decimals and percentages)	Unit 11		3	Decimals as fractions (1)	Children insert proper fractions into multiplication function machines.	November 2022	PT3
Number - fractions (including decimals and percentages)	Unit 11		4	Decimals as fractions (2)	Children multiply a proper fraction by a whole number and simplify where possible.	November 2022	PT3
Number - fractions (including decimals and percentages)	Unit 11		5	Understanding thousandths	Children insert a mixed number into a function machine set up to multiply by 2.	November 2022	PT3

Strand	Unit	Lesson number	Lesson title	Power Up specifics		
Number - fractions (including decimals and percentages)	Unit 11	6	Writing thousandths as decimals	Children multiply mixed numbers by 6 and show the steps of their working out.	November 2022	PT3
Number - fractions (including decimals and percentages)	Unit 11	7	Ordering and comparing decimals (1)	Children fill in missing numbers on a fraction and decimal number line and justify why a certain decimal or fraction needs to go there. Children identify equivalence.	November 2022	PT3
Number - fractions (including decimals and percentages)	Unit 11	8	Ordering and comparing decimals (2)	Children fill in missing numbers on a fraction and decimal number line, including mixed numbers.	November 2022	PT3
Number - fractions (including decimals and percentages)	Unit 11	9	Rounding decimals	Children fill in missing numbers on a fraction and decimal number line.	November 2022	PT3
Number - fractions (including decimals and percentages)	Unit 11	10	Understanding percentages	Children identify equivalence between fractions and decimals, including improper fractions, then order the first three decimals and fractions on a number line.	November 2022	PT3
Number - fractions (including decimals and percentages)	Unit 11	11	Percentages as fractions and decimals	Children match improper fractions to their decimals.	November 2022	PT3
Number - fractions (including decimals and percentages)	Unit 11	12	Equivalent fractions, decimals and percentages	Children generate a number with three decimal places using a dice. Children then partition the number into tenths, hundredths and thousandths.	November 2022	PT3

Textbook 5C (Term 3) overview

Strand	Unit	Lesson number	Lesson title	Power Up specifics		
Number - fractions (including decimals)	Unit 12	1	Adding and subtracting decimals (1)	Children generate a number with three decimal places using a dice. Children then partition the number into tenths, hundredths and thousandths then identify the decimal and fraction for each part of the number.	December 2022	PT3
Number - fractions (including decimals)	Unit 12	2	Adding and subtracting decimals (2)	Children insert decimals with three decimal places into function machines which add 0.01, 0.1, 0.001 and 10.	December 2022	PT3
Number - fractions (including decimals)	Unit 12	3	Adding and subtracting decimals (3)	Children insert decimals with three decimal places into function machines which subtract 0.01, 0.1 and 0.001.	December 2022	PT3
Number - fractions (including decimals)	Unit 12	4	Adding and subtracting decimals (4)	Children have the number 15.094 and follow instructions to add and subtract tenths, hundredths and thousandths.	December 2022	PT3
Number - fractions (including decimals)	Unit 12	5	Adding and subtracting decimals (5)	Children represent the number 27·948 and follow instructions to add and subtract tenths, hundredths and thousandths.	December 2022	PT3
Number - fractions (including decimals)	Unit 12	6	Adding and subtracting decimals (6)	Children draw part of the number line to show the two whole numbers 3.48 lies between and to estimate where given numbers would be on the number line. Children then round the numbers to the nearest whole number.	December 2022	PT3
Number - fractions (including decimals)	Unit 12	7	Adding and subtracting decimals (7)	Children estimate where 2-digit numbers with two decimal places sit on a number line then justify what these numbers would round up to as the nearest whole number.	December 2022	PT3
Number - fractions (including decimals)	Unit 12	8	Adding and subtracting decimals (8)	Children put 2- and 3-digit numbers with two decimal places through function machines which round to the nearest one decimal place and the nearest whole number.	December 2022	PT3
Number - fractions (including decimals)	Unit 12	9	Decimal sequences	Children put 2- and 3-digit numbers with two decimal places through function machines which round to the nearest one decimal place and the nearest whole number and identify which numbers round up and which numbers round down.	December 2022	PT3
Number - fractions (including decimals)	Unit 12	10	Problem solving – decimals (1)	Children write down a decimal number with three decimal places in words to show how many tenths, hundredths and thousandths.	December 2022	PT3
Number - fractions (including decimals)	Unit 12	11	Problem solving – decimals (2)	Children compare numbers with three decimal places using <, > or = to create number statements.	December 2022	PT3
Number - fractions (including decimals)	Unit 12	12	Multiplying decimals by 10	Children have four different numbers with three decimal places to place in ascending/descending order.	December 2022	PT3
Number - fractions (including decimals)	Unit 12	13	Multiplying decimals by 10, 100 and 1,000	In pairs, children generate three digits using a dice, and make the largest thousandths number possible, writing it out as a fraction and as a decimal number. Children then partition the numbers into tenths, hundredths and thousandths.	December 2022	PT3
Number - fractions (including decimals)	Unit 12	14	Dividing decimals by 10	In pairs, children generate three digits using a dice, and make the smallest thousandths number possible, writing it out as a fraction and as a decimal number. Children then partition the numbers into tenths, hundredths and thousandths.	December 2022	PT3
Number - fractions (including decimals)	Unit 12	15	Dividing decimals by 10, 100 and 1,000	Children are given a 2-step word problem involving fractions and subtraction.	December 2022	PT3
Geometry - properties of shapes	Unit 13	1	Measuring angles in degrees	Children find the missing number in formal column multiplication and short division.	January 2023	AT
Geometry - properties of shapes	Unit 13	2	Measuring with a protractor (1)	Children are given a 2-step word problem involving multiplication and subtraction.	January 2023	AT
Geometry - properties of shapes	Unit 13	3	Measuring with a protractor (2)	Children find errors in formal column multiplication and short division involving exchanges.	January 2023	AT
Geometry - properties of shapes	Unit 13	4	Drawing lines and angles accurately	Children solve a 1-step word addition problem with numbers up to three decimal places, then are asked to round the answer to the nearest tenth, hundredth and whole.	January 2023	AT
Geometry - properties of shapes	Unit 13	5	Calculating angles on a straight line	Children are given a 1-step word subtraction problem with numbers up to three decimal places and are encouraged to check their answer with the inverse.	January 2023	AT
Geometry - properties of shapes	Unit 13	6	Calculating angles around a point	Children find missing numbers in column addition and subtraction using 5-digit numbers with three decimal places.	January 2023	AT
Geometry - properties of shapes	Unit 13	7	Calculating lengths and angles in shapes	Children find errors in two short divisions using numbers with three decimal places.	January 2023	AT
Geometry - properties of shapes	Unit 14	1	Recognising and drawing parallel lines	Children solve a 2-step word problem concerning money, addition and subtraction.	January 2023	AT

Geometry – properties of shapes	Unit 14	2	Recognising and drawing perpendicular lines	Children are given a 2-step word multiplication/division problem involving a simple fraction.	January 2023	AT
Geometry – properties of shapes	Unit 14	3	Reasoning about parallel and perpendicular lines	Children are given a 2-step word multiplication/division problem involving a simple rate.	January 2023	AT
Geometry – properties of shapes	Unit 14	4	Regular and irregular polygons	Children are given a 2-step word multiplication/division problem involving simple rates.	January 2023	AT
Geometry – properties of shapes	Unit 14	5	Reasoning about 3D shapes	Children complete a table showing percentage and fraction equivalents as well as a pictorial representation.	January 2023	AT
Geometry – position and direction	Unit 15	1	Reflection	Children match proper fractions to their percentage equivalents.	January 2023	AT
Geometry – position and direction	Unit 15	2	Reflection with coordinates	Children write down fraction and percentage equivalents to numbers with two decimal places.	January 2023	AT
Geometry – position and direction	Unit 15	3	Translation	Children write down fraction and decimal equivalents to given percentages.	January 2023	AT
Geometry – position and direction	Unit 15	4	Translation with coordinates	Children have fractions which have denominators of a multiple of 10 and find percentage and decimal equivalents.	January 2023	AT
Measurement	Unit 16	1	Metric units (1)	Children recap multiplying and dividing by 10, 100 and 1,000.	February 2023	AT
Measurement	Unit 16	2	Metric units (2)	Children identify whether function machines multiply or divide by 10, 100 or 1,000.	February 2023	AT
Measurement	Unit 16	3	Metric units (3)	Guess my number game. Children ask yes/no answer questions to find out their partner's number. Children use properties of number language such as prime, composite, multiples and factors, bigger than, less than to deduce the number.	February 2023	AT
Measurement	Unit 16	4	Metric units (4)	Children complete an addition pyramid using Roman numerals.	February 2023	AT
Measurement	Unit 16	5	Imperial units of length	Starting at 45, children count forwards and backwards in steps of 10. They then count backwards in steps of 100 from 376.	February 2023	AT
Measurement	Unit 16	6	Imperial units of mass	Children round 56,329 to the nearest 100, 1,000, 10,000 and 100,000.	February 2023	AT
Measurement	Unit 16	7	Imperial units of capacity	Guess my number game. Children ask yes/no answer questions to find out their partner's 2-digit number. Children use properties of number language such as prime, composite, multiples and factors, bigger than, less than to deduce the number.	February 2023	AT
Measurement	Unit 16	8	Converting units of time	'Rock, paper, scissor' type game using fingers on one hand. Children play in pairs, and call out the square number made from the number of fingers shown.	February 2023	AT
Measurement	Unit 16	9	Timetables	Children roll a dice then cube the number they get. Children write out number sentences with the numbers they have cubed.	February 2023	AT
Measurement	Unit 16	10	Problem solving – measure	Starting at 5, children follow instructions to add, subtract, multiply and divide mentally.	February 2023	AT
Measurement	Unit 17	1	What is volume?	Starting at 7, children follow instructions to subtract, multiply, divide and square mentally.	February 2023	AT
Measurement	Unit 17	2	Comparing volumes	Guess my number game. Children ask yes/no answer questions to find out their partner's 2-digit number. Children use properties of number language such as prime, composite, multiples and factors, bigger than, less than to deduce the number.	February 2023	AT
Measurement	Unit 17	3	Estimating volume	Children use the relationship between fractions, decimals and percentages to find answers to decimals multiplied by a whole number.	February 2023	AT
Measurement	Unit 17	4	Estimating capacity	Children use the relationship between fractions, decimals and percentages to find answers to decimals times a whole number. Children can give fractions in their simplest forms.	February 2023	AT

Hindi Grade:5			
Subject Teacher: Saba Tabassum			
1	ठीक समय	JUNE	PT1
2	नट्टू खरगोश (संवाद)	JUNE	PT1
	स्वच्छ वातावरण (संवाद)	JUNE	PT1
3	जाड़ा(कविता)	JULY	PT1
4	बुरी संवात (कहानी)	JULY	PT1
	गिनती 1-10	JULY	PT1
5	डॉक्टर फ्रॉगी	AUGUST	PT2
	हमारे शहर में	AUGUST	PT2
	यह भी जा नो	AUGUST	PT2
	बातचीत(वातालाप)	AUGUST	PT2
6	मोटू चूहा चला दिल्ली चला (कविता)	SEPTEMBER	PT2
	फसलों के त्योहार (ज्ञान)	SEPTEMBER	PT2
7	पत्र लिखन	SEPTEMBER	PT2
	पहेलियाँ (ज्ञानवर्धक)	SEPTEMBER	PT2
	बोलियाँ	OCTOBER	PT2
	गिनती 1-30	OCTOBER	PT2
8	सयानी लाल मुनिया	NOVEMBER	PT3
	वाक्या बनाकर पढ़ो	NOVEMBER	PT3
	मूर्ख बिल्ली	NOVEMBER	PT3
9	किसान	NOVEMBER	PT3
10	चलो नाव चलाएँ	DECEMBER	PT3
	वाक्य रचना	DECEMBER	PT3
	जल बचाओ, जीवन बचाओ	DECEMBER	PT3
	गिनती 1-50	DECEMBER	PT3

GRADE 5 ENGLISH PORTIONS 2022-23			
SUBJECT TEACHER : KHANITA KAUSER			
ENGLISH		MONTH	
Unit	Unit 1	JUNE 2022	PT1
Unit title	The Hare & the Tortoise		
Text	Fiction text: Aesop's fable 'The Hare & the Tortoise'		
Comprehension focus	Analysing character in a fiction text		
Vocabulary focus	Prefixes that make antonyms		
Punctuation focus	Direct speech		
Spelling focus	**e or no e?**		
Grammar focus	Verb tenses		
Writing focus	Describing characters		
Unit	Unit 2	JULY 2022	PT1
Unit title	Swifter, Higher, Stronger		
Text	Information text about the Olympic Games: 'Going for Gold!'		
Comprehension focus	Understanding and interpreting information in a non-fiction text		
Vocabulary focus	Alphabetical order		
Punctuation focus	Commas in lists		
Spelling focus	**eous, ious, cious & tious word endings**		
Grammar focus	Verbs with prefixes		
Writing focus	Biographical sketches		
Unit	Unit 3	JULY 2022	PT1
Unit title	Wind Poems		
Text	Poetry about the wind: 'The Wind is Angry' by Adrienne Brady and 'The Wind' by Stanley Cook		
Comprehension focus	Analysing the features of poetry and giving a personal response		
Vocabulary focus	Using hyphens		
Punctuation focus	Apostrophes of contraction		
Spelling focus	**ull & ul word endings**		
Grammar focus	Noun & verb agreement		
Writing focus	Personification		
Unit	Unit 4	AUGUST 2022	PT2
Unit title	When the Wind Blows		
Text	Information text about the Beaufort scale: 'Describing the Wind'		
Comprehension focus	Understanding & interpreting a non-fiction text & information presented in a table		
Vocabulary focus	Over-used words: nice		
Punctuation focus	Commas for extra information		
Spelling focus	Silent letters		
Grammar focus	Noun round-up		
Writing focus	Chronologically sequenced report		
Unit	Unit 5	AUGUST 2022	PT2
Unit title	Walking on the Moon		

Text	Information text about the first men to land on the Moon: 'Moon Landing'		
Comprehension focus	Understanding & ordering information from a non-fiction text		
Vocabulary focus	Synonyms		
Punctuation focus	Dashes for extra information		
Spelling focus	**cial & tial word endings**		
Grammar focus	Modal verbs		
Writing focus	First person, chronological report		
Unit	Unit 6	AUGUST 2022	PT2
Unit title	Centaurus 1		
Text	Play script: extract from Centaurus 1		
Comprehension focus	Analysing a play script		
Vocabulary focus	Synonyms for said		
Punctuation focus	Commas to avoid ambiguity		
Spelling focus	**able, ible, ably & ibly word endings**		
Grammar focus	Interesting adjectives		
Writing focus	Writing a play script		
Unit	Unit 7	SEPTEMBER 2022	PT2
Unit title	Looking at the Sky		
Text	Information text about planets & stars: 'The Night Sky'		
Comprehension focus	Analysing purpose		
Vocabulary focus	Figures of speech		
Punctuation focus	Possessive nouns		
Spelling focus	**ir and ire words**		
Grammar focus	Verbs formed from nouns and adjectives		
Writing focus	Explanations		
Unit	Unit 8	SEPTEMBER 2022	PT2
Unit title	Holiday Destination		
Text	Travel brochure: 'Visit Sri Lanka'		
Comprehension focus	Analysing persuasive text		
Vocabulary focus	Using a thesaurus		
Punctuation focus	Indirect speech		
Spelling focus	Adding suffixes to **fer** words		
Grammar focus	Relative pronouns		
Writing focus	Writing to inform and persuade		
Unit	Unit 9	SEPTEMBER 2022	PT2
Unit title	The flight of Icarus		
Text	Fioction text: 'The flight of Icarus'. A Greek myth		
Comprehension focus	Analysing plot and using decriptive language		
Vocabulary focus	Homophones		
Punctuation focus	Split direct speech		

Spelling focus	**ow** words		
Grammar focus	Sequencing adverbs		
Writing focus	Writing as a character in the story; writing for purpose and audience		
Unit	Unit 10	OCTOBER 2022	PT2
Unit title	Birds wings'		
Text	Extracts from non-fiction books about birds		
Comprehension focus	Identifying key words and phrases and making notes		
Vocabulary focus	Antonyms		
Punctuation focus	Brackets for extra information		
Spelling focus	**ough** words		
Grammar focus	Possessive pronouns and possessive adjectives		
Writing focus	Using sources in research: bibliography		
Unit	Unit 11	OCTOBER 2022	PT2
Unit title	Changing Times		
Text	Poetry: 'Changing Times' by Eric Slayter		
Comprehension focus	Understanding and analysing the language of poetry		
Vocabulary focus	Adverbs in dialogue		
Punctuation focus	Apostrophe round-up		
Spelling focus	**ant, ent, ance** and **ence** word endings		
Grammar focus	Plural round-up		
Writing focus	Two verse poem using contrast		
Unit	Unit 12	NOVEMBER 2022	PT3
Unit title	Growing a City		
Text	Information text: 'The City of Dubai'		
Comprehension focus	Identifying key information and making notes		
Vocabulary focus	Adverbs		
Punctuation focus	Commas, dashes and brackets for extra information		
Spelling focus	**ie** and **ei** words		
Grammar focus	Relative pronouns		
Writing focus	Creating a flow diagram		
Unit	Unit 13	NOVEMBER 2022	PT3
Unit title	Visit Dinosaur World		
Text	Advertising poster for a theme park		
Comprehension focus	Analysing a persuasive text		
Vocabulary focus	Abbreviations and acronyms		
Punctuation focus	Commas between adjectives		
Spelling focus	**ie** and **ei** words		
Grammar focus	Expanded noun phrases		
Writing focus	Creating an advertisement		

Unit	Unit 14	DECEMBER 2022	PT3
Unit title	The Old Forest		
Text	Fiction text: 'The Old Forest' from The Lord of the Rings by J.R.R. Tolkien		
Comprehension focus	Analysing characters' thoughts and feelings		
Vocabulary focus	Root words, prefixes and suffixes		
Punctuation focus	Direct speech round-up		
Spelling focus	**ey** word endings		
Grammar focus	Auxiliary verbs		
Writing focus	Writing about characters; writing the next part of the story		
Unit	Unit 15	DECEMBER 2022	PT3
Unit title	Rainforests in Danger		
Text	Persuasive text: 'Protecting our Rainforests'		
Comprehension focus	Analysing and practising persusive writing		
Vocabulary focus	Using a dictionary		
Punctuation focus	Punctuating sentences		
Spelling focus	**ar** and **are** words		
Grammar focus	Relative clauses		
Writing focus	Writing for an audience		
Unit	Unit 16	JANUARY 2022	AT
Unit title	Undersea World		
Text	Information text: 'Coral reefs'		
Comprehension focus	Identifying key information and making notes		
Vocabulary focus	Onomatopoeia		
Punctuation focus	Commas after adverb clauses		
Spelling focus	**ost** and **oll** words		
Grammar focus	Homonyms		
Writing focus	Notes and report writing		
Unit	Unit 17	JANUARY 2022	AT
Unit title	Shipwrecked!		
Text	Fiction text adapted from Robinson Crusoe by Daniel Defoe		
Comprehension focus	Exploring a first person narrative		
Vocabulary focus	Idioms		
Punctuation focus	Punctuation round-up		
Spelling focus	**ild and ind words**		
Grammar focus	Improving writing		
Writing focus	Writing in the first person		

GRADE 5 GRAMMAR PORTIONS 2022-23		
TOPIC	MONTH	ASSESSMENT
UNIT 1- Singular & plural	JUNE 2022	PT1
UNIT 2- Pronouns & adjectives	JUNE 2022	PT1
UNIT 3- Verbs	JUNE 2022	PT1
UNIT 4-Sentences	JULY 2022	PT1
UNIT 5- Adverbs	JULY 2022	PT1
UNIT 6- Nouns	JULY 2022	PT1
UNIT 7 - Sentences	AUGUST 2022	PT2
UNIT 8 - Sentences	AUGUST 2022	PT2
UNIT 9 - Homophones	AUGUST 2022	PT2
UNIT 10 - Verbs	AUGUST 2022	PT2
UNIT 11 - Adjectives	SEPTEMBER 2022	PT2
UNIT 12 - Pronouns	SEPTEMBER 2022	PT2
UNIT 13 - Homonyms	SEPTEMBER 2022	PT2
UNIT 14 - Punctuation	SEPTEMBER 2022	PT2
UNIT 15 - Sentences	OCTOBER 2022	PT2
UNIT 16 - Pronouns	OCTOBER 2022	PT2
UNIT 17 - Sentences	OCTOBER 2022	PT2
UNIT 18 - Verbs	OCTOBER 2022	PT2
UNIT 19 - Punctuation	NOVEMBER 2022	PT3
UNIT 20 - Paragraphs	NOVEMBER 2022	PT3
UNIT 21 - Verbs	NOVEMBER 2022	PT3
UNIT 22 - Confusing words	DECEMBER 2022	PT3
UNIT 23 - Adverbs	DECEMBER 2022	PT3
UNIT 24 -Verbs	DECEMBER 2022	PT3
UNIT 25 - Sentences	DECEMBER 2022	PT3
UNIT 26 - Punctuation	JANUARY 2022	AT
UNIT 27 - Punctuation	JANUARY 2022	AT
UNIT 28 - Sentences	JANUARY 2022	AT

GRADE 5 ARABIC LANGUAGE PORTIONS 2022-23		
SUBJECT TEACHER : Mujahid-ul-Islam		
MADINAH ARABIC READER BOOK 2	Month	Assessment
Lesson No. 1 & 2 Page No. 5,6 & 8 to 12	July	PT1
Vocabulary page No . 14		
Activity (The House)		
Lesson No. 3, Page No 15 to 20	August	PT2
(Baa) Page No. 25 to 28		
Vocabulary Page No. 24 & 30		
Lesson No. 3 (jeem) Page No .31 to 33 & Lesson No. 4 Page No. 35 to 39	September	PT2
Vocabulary Page No 42		
Lesson No. 5 & 6 Page No.43 to 46 & 49 to 52	October	PT2
Vocabulary Page No. 48 &54		
Lesson No. 7 & 8 Page No.55 to 62	November	PT3
Vocabulary Page No 58 & 64		
Lesson No.9 & 10 page No.65 to 67 & 71 to 74	December	PT3
Vocabulary page no . 70 & 75		
Lesson No. 11, 12 & 13	January	AT
Page No. 76 to 79 & 84 to 87		
Vocabulary Page No.78 & 83 & 87		

GRADE 5 KANNADA LANGUAGE PORTIONS 2022-23		
SUBJECT TEACHER : Chandrika		
Topic	**Month**	**Assessment**
ಆ) ಅಪಾಯದಿಂದ ಪಾರಾದ ಪಾರಿವಾಳಗಳು	ಜೂನ್	PT1
ಇ) ಗುರುವಾದ ಜೇಡರ ಹುಳು	ಜೂನ್	PT1
ಈ) ಆಸೆ	ಜುಲೈ	PT1
ಉ) ಗಾಳಿಪಟ	ಜುಲೈ	PT1
Description ಭಾಗ -2		
1. ನನ್ನ ದೇಶ ನನ್ನ ಜನ(ಗದ್ಯ)	ಆಗಸ್ಟ್	PT2
2. ಕನ್ನಡ ನುಡಿ (ಪದ್ಯ)	ಆಗಸ್ಟ್	PT2
3. ನವಿಲು (ಗದ್ಯ)	ಸೆಪ್ಟೆಂಬರ್	PT2
4. ಗೂಡಿನಿಂದ ಬಾನಿನೆಡೆಗೆ (ಪದ್ಯ)	ಅಕ್ಟೋಬರ್	PT2
6. ಹಬ್ಬಗಳು (ಗದ್ಯ)	ಅಕ್ಟೋಬರ್	PT2
9. ಅಮ್ಮ (ಪದ್ಯ)	ನವೆಂಬರ್	PT3
10. ಧೀರಬಾಲಕ ನರೇಂದ್ರ (ಗದ್ಯ)	ನವೆಂಬರ್	PT3
12 ಮಗು ಚಂದ ಹರಕೆ (ಪದ್ಯ)	ಡಿಸೆಂಬರ್	PT3
ಪೂರಕ ಓದು		

GRADE 5 COMPUTING PORTIONS 2022-23			
BOOK-4			
1	**The nature of technology: Computers around us**	**AUGUST**	PT2
	1.1 The power of computers	**AUGUST**	PT2
	1.2 Microprocessors at home	**AUGUST**	PT2
	1.3 Microprocessors at work	**AUGUST**	PT2
	1.4 Computer storage	**AUGUST**	PT2
	1.5 How to use and store your files	**AUGUST**	PT2
	1.6 Tips for saving files	**AUGUST**	PT2
2	**Digital literacy: Using the world wide web**	**SEPTEMBER**	PT2
	2.1 About the world wide web	**SEPTEMBER**	PT2
	2.2 Searching the web	**SEPTEMBER**	PT2
	2.3 Improving your web search	**SEPTEMBER**	PT2
	2.4 Browsing and using bookmarks	**SEPTEMBER**	PT2
	2.4 How to spot unsuitable content	**SEPTEMBER**	PT2
	2.6 Be sure, be safe	**SEPTEMBER**	PT2
3	**Computational thinking: Making a quiz program**	**OCTOBER**	PT2
	3.1 The input part of the program	**OCTOBER**	PT2
	3.2 Using variables	**OCTOBER**	PT2
	3.3 The output part of the program	**OCTOBER**	PT2
	3.4 Using a logical test	**OCTOBER**	PT2
	3.5 Creating a logical test	**OCTOBER**	PT2
	3.6 Programming with if and else	**OCTOBER**	PT2
4	**Programming: Make a game**	**NOVEMBER**	PT3
	4.1 Choose the sprites and backdrop	**NOVEMBER**	PT3
	4.2 Make sprites move	**NOVEMBER**	PT3
	4.3 Crash detector	**NOVEMBER**	PT3
	4.4 Crash points	**NOVEMBER**	PT3
	4.5 Add new program ideas	**NOVEMBER**	PT3
	4.6 Design your own game	**NOVEMBER**	PT3
5	**Multimedia: Writing and editing a document**	**DECEMBER**	PT3
	5.1 Setting up a new document	**DECEMBER**	PT3
	52 Selecting and changing text	**DECEMBER**	PT3
	5.3 Adding headings and lists	**DECEMBER**	PT3
	5.4 Adding headers and contents	**DECEMBER**	PT3
	5.5 Editing a document	**DECEMBER**	PT3
	5.6 Finalising a document	**DECEMBER**	PT3

6	**Numbers and data: Working with values**	**JANUARY**	AT
	6.1 Number values and labels	**JANUARY**	AT
	6.2 The Sum function	**JANUARY**	AT
	6.3 A spreadsheet formula	**JANUARY**	AT
	6.4 Percentages	**JANUARY**	AT
	6.5 Pie charts	**JANUARY**	AT
	6.6 Bar charts	**JANUARY**	AT