AIR FORCE SCHOOL, BAMRAULI ANNUAL SPLIT-UP SYLLABUS ACADEMIC SESSION -2025-26

CLASS: 5th **SUBJECT: - MATHEMATICS**

BOOK NAME: -CAMBRIDGE MATHS MILESTONE

MONTH NAME	CHAPTER NO. & CHAPTER NAME	NO. OF PERIODS	ACTIVITY
APR	Chapter -1 Large Numbers	15	❖ **Number Fun** 1.Writing phone number using both the International and Indian system of numeration. 2. Collection of the population data of 5 states in India. 3.finding the most populated and the least populated states using a place value chart. 4. Comparing the population of any 5 states and writing in ascending order.
APR/MAY	Chapter-2 Four Operations	14	❖ **Maths Connect Activity**: 1.How many PIN codes does Prayagraj have? 2.Write down the PIN codes of any 5 places you know. 3. Find the sum of the PIN codes you listed in question 4. Divide this sum by the total number of PIN codes in Prayagraj. ❖ **Maths Lab Activity**: Four Corners
MAY/ JUNE	Chapter-7 Patterns and Symmetry	11	❖ **Butterfly in symmetry** ❖ **Pattern making with rotation**
JUL	Chapter-3 Playing with Numbers	14	❖ **Knowing your country** 1. Find out the number of states in India. 2. Write the number of states in the northern part of the map and find its factors. 3. Find out the number of union territories in India. 4. Write the number of states in the southern part and find the first 6 multiples of the number. ❖ Divisibility Rules Flip Book ❖ **Maths Lab Activity**: Factor Forest
JUL/AUG	Chapter-4 Fractions	10	❖ **Tiger Conservation Math** 1. In 2010, there were 1250 tigers. In 2020, there were 250 more. What was the increase in tigers? 2. What fraction of the tigers were saved between 2010 and 2020? Write

			this fraction in its simplest form. 3.What does "poaching" mean? 4. Name one step we can take to protect wildlife. ❖ **Commonwealth Games Medals** 1. In the 2022 Commonwealth Games, India won 22 gold, 16 silver, and 23 bronze medals. What is the total number of medals won? 2. If Indian athletes win 15 more gold, 10 more silver, and 12 more bronze medals in upcoming games, how many of each medal will they have? 3. What fraction of the current total medals are gold medals? Write this in simplest form. 4. Name a few more famous sports events. ❖ **Baking with Fractions** 1. Imagine you are baking a cake. 2. You need 1/4 teaspoon of baking powder and 1/4 teaspoon of baking soda. What is the total amount of baking powder and baking soda needed? 3. The recipe also calls for 1 teaspoon of vanilla essence. What is the total quantity of all three ingredients (baking powder, baking soda, and vanilla essence)? 4. Write a short recipe using fractions for at least two ingredients.
	Chapter-5 Decimals	10	❖ **Thermometer Decimal Representation** 1. Look at the temperature shown on the digital thermometer. What decimal number is displayed? 2. Imagine you have a square grid. Represent the whole number part of the temperature by shading in complete squares. ❖ **Plant Growth Measurement** 1. Plant a small seed or sapling. 2. Measure its initial height in centimeters and convert it to meters (e.g., 5 cm = 0.05 m). Record this as "Original height" 3. Calculate the growth in height (in meters) for each time period (week 1, week 2, month 1) by subtracting the previous measurement.

SEP/OCT	Chapter-6 Geometry	10	❖ **Geometric Food Art & Angles** 1. Create a food arrangement on a plate using different shapes (e.g., triangles of cheese, circular cucumber slices) 2. Draw a picture of your food art. 3. In your drawing, identify and label any angles you see ❖ **Mandala Art with Math Tools** 1. Using a compass, draw one or more circles. 2. Inside your circles, use a ruler and protractor to draw geometric shapes and divide the circles into sections. 3. Create a colorful Mandala design using different shapes. ❖ **Angle City Map** 1. Draw a map of an imaginary city using different lines to represent streets and roads. Include buildings. 2. Outline some streets as parallel lines and others as perpendicular lines. 3. Find places where streets intersect or buildings meet. These are angles! 4. Label at least three different angles you see in your city map. Try to measure these angles using a protractor (if available) and write down their approximate measurements. ❖ **Building 3D Shapes** 1. Use Jodo straws or pipe cleaners to build the frames of these 3D shapes: cube, cuboid, cylinder (try to approximate!), cone (approximate!), and pyramid.
OCT	Chapter-8 Measurements	10	❖ **Wildlife Measurement Conversions** 1. An elephant weighs 5,400 kg. Convert this weight into grams (g). 2. A giraffe is 5 meters tall. Convert this height into centimeters (cm). 3. A cheetah runs 1 kilometer. Convert this distance into meters (m). 4. Share one way to help conserve wildlife. ❖ **Measurement Mnemonic Creation** 1. Think about different units used for measuring things (e.g., length: meter, centimeter; weight: kilogram, gram; volume: liter, milliliter). 2. Create your own mnemonic phrase or sentence to help remember the names of some of these measurement units. 3. Write your mnemonic clearly on a chart paper.

NOV	Chapter-9 Time and Temperature	10	❖ **Fruit Planting Timeline** 1. Look at the four fruits shown. 2. Use the internet to find out approximately how many years or months it takes for each of these plants to grow and give us fruit after planting a sapling. 3. Record your findings for each fruit ❖ **Supermarket Expiry Dates** 1. Visit a supermarket (or look at food items at home). 2.Find the packaging for bread, tomato ketchup, potato chips, and dry cake. 3. Read the "best before" or expiry date on each item. 4. For each item, calculate how many days or months it stays fresh from its packaging date until the expiry date. ❖ **Temperature Card Game** 1. Play in pairs. You need red and black number cards and a notepad. 2. Start with a temperature of 35°C. 3. Take turns drawing a card. 4. If you draw a red card, add the number on the card to the current temperature. 5. If you draw a black card, subtract the number on the card from the current temperature. 6. Write down the new temperature after each draw.
	Chapter-10 Mathematics in Daily Life	10	❖ **Mini Shop: Cost and Selling Price** 1. Imagine you have a shop with some items (e.g., toys, books). 2. Assume each item cost you ₹100. 3. Decide on a selling price for each item (make sure it's more than ₹100 to make a profit!). 4. Put price tags on all your items. 5. Create some word problems about the cost and selling price of your items. 6. Ask your classmates to solve your word problems. ❖ **Local vs. Imported Produce** 1. Study the table showing the cost and selling price of locally grown and imported fruits and vegetables. 2. Calculate the profit or loss for each locally grown item. 3. Compare the purchase prices of locally grown and imported mangoes. What is the difference? 4. Calculate the total cost if you buy 1 kg of apples, 1 kg of mangoes, and one bundle of spinach from the local market. 5. Why is it good to choose locally grown food? Give one reason.

DEC	Chapter-11 Mensuration	15	❖ **Design Your Study Table** 1. Imagine you are designing your own study table. 2. Think about the space you have available in your room for the table. 3. Decide on the size (length and width) you want your study table to be. 4. List all the things or materials you would like to keep on your table. 5. Consider the area needed for each of these items to fit comfortably on your chosen table size. ❖ **Kitchen Garden Design** 1. Imagine you are planning a kitchen garden. 2. Draw a possible design for your garden on a chart paper. 3. Give your garden some dimensions (length and breadth). 4. Divide your garden into two parts. One part will be for growing vegetables, and the other for herbs. Show this division in your drawing. 5. Mention the dimensions (length and breadth) of your entire garden.
JAN	Chapter-12 Data Handling	14	❖ **Favorite Cloth Survey & Tally Chart** 1. Ask a group of people (friends, family) what type of cloth they like the most from the list: Cotton, Georgette, Silk, Polyester, Chiffon. 2. For each person's answer, make a tally mark on a sheet of paper for their chosen cloth type. 3. Count the tally marks for each cloth type and write the total number next to it. 4. Look at the tally chart in the image showing the colours of parked cars. Complete the "Number of car" column based on the tally marks. ❖ **Agriculture Production Pie Chart** 1. Look at the table showing the production (in tons) of different food grains. 2. Calculate the total food grain production. (Hint: 64 + 57 + 19 + 40) 3. Using the data, create a pie chart to show the proportion of each food grain produced. 4. Why is it important to use farming methods that protect the environment? Give one reason.
FEB	**Revision**	14	

S.No.	Exam	Tentative Date	Syllabus
1.	Periodic Test-1	7-11 July	Chapter -1,2&7
2.	Half Yearly Examination	15-24 September	Chapter -1,2,3,4,5 & 7
3.	Periodic Test-2	1-5 December	Chapter -6,8,9&10
4.	Annual Examination	9-18 March	Chapter -6,8,9,10,11,12