Aster
Since 1994
Public School
Explore | Expand | Excel
Knowledge Park-5, Gr. Noida West

Holiday
HOMEWORK [2025]
Class - VII

"DEAR CLASS 7 EXPLORERS,
SUMMER IS THE PERFECT TIME TO RELAX, DREAM BIG, AND DISCOVER NEW THINGS. LET THE SUNSHINE FILL YOUR DAYS WITH JOY AND YOUR HEART WITH ADVENTURES. MAKE MEMORIES, READ STORIES, PLAY UNDER THE SKY — AND COME BACK READY TO SHINE!"

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📌 *General Instructions for Holiday Homework* 🟡

1. ✅ Complete your homework neatly and on time.
   Use clean sheets, maintain proper margins, and write legibly.

2. 📊 Revise all concepts taught in class so far to stay in touch with your subjects.

3. 🎨 Be creative! Add drawings, charts, or pictures wherever possible to make your work interesting.

4. 📅 Set a daily routine — spend a little time each day on your homework instead of leaving it all for the end.

5. 🌳 Don't forget to enjoy your holidays! Play, explore, read books, help your parents, and try something new.

6. 📁 Keep your work organized — make sure everything is compiled properly for submission on the reopening day.

7. 🌸 Follow cleanliness and safety rules at home and while going out.

Remember: Holidays are for fun and learning!
Use this time to grow, explore, and return with a smile! 😊

SST

1. On the political map of India:
   a-Shade and label the **basaltic rock region** (Deccan Plateau).
   b-Mark the major mineral deposits in different states using the key below:
       I – Iron ore
       C – Coal
       D – Diamond
       L – Limestone
       B – Bauxite
       M – Manganese
   Note: Label the states clearly.
   Also make a key on the side of the map (To be done by all students)

2. Complete the worksheet of number 3 in your notebooks given in the worksheet booklet.

3.   **Case Study: Urbanization and Its Effects**

Urbanization means more people moving from villages to cities to find jobs, education, and better living conditions. In India, many cities are growing very fast. This is called rapid urbanization. For example, cities like Mumbai, Delhi, and Bangalore have seen many new buildings, roads, and industries in the last few years. This growth brings both good and bad effects. On the positive side, urbanization creates more jobs, better schools, hospitals, and modern facilities. However, it also causes problems like overcrowded homes, traffic jams, pollution, and shortage of clean water. Many people living in cities don't have proper housing and have to live in slums. To solve these issues, the government is working on building smart cities with better planning and technology to improve city life for everyone.

Questions:

1-What does urbanization mean?
2-Name some cities in India that have grown rapidly.
3-What are some good effects of urbanization?
4-What problems can rapid urbanization cause?
5-Why do some people have to live in slums?
6-How can smart cities help improve life in growing cities.

4. Prepare a chart on **"Architecture of Medieval India"** highlighting the major dynasties, their famous monuments, and key architectural features. Include sketches or pictures, and mention any one monument you would like to visit and why (in 3–4 lines). **(Roll no 1- 15)**
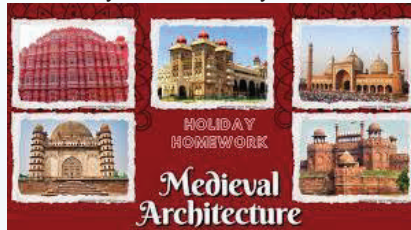
5.   **Make a Digital Presentation:**

The Kailashnath Temple at Ellora is part of the UNESCO World Heritage Sites. Now, find out the following:

- The significance of the UNESCO World Heritage Sites
- The parameters used by UNESCO to declare a monument as a World Heritage Site
- The names of at least ten other UNESCO World Heritage Sites in India (The number of slides should not be more than 10 and mail the ppt with the name of the student and roll number mentioned on email ID kp.sunidhi@asterinstitutions.com) **(Roll no 16-32).**

Note:
1. Map work will be put in the folder.
2. Case study to be completed in A4 sheets and to be put in the folder
3. Chart on **"Architecture of Medieval India"** should be prepared by students whose Roll no is between 1-15
4. UNESCO World Heritage presentation to be made only by students whose roll no is between 16-32.
5. Kindly label the folders properly with name, class and section.
6. Worksheet to be done in notebook only.

MATHEMATICS

1. Learn tables from 2 to 20 thoroughly for Internal Assessment after summer break.

2. Learn Square from 1 to 30 and cubes 1-10.

3. Working model (Students will make the model as per their allotted Roll Numbers)

   - Angle sum property and exterior angle property. (Roll number 1-7)
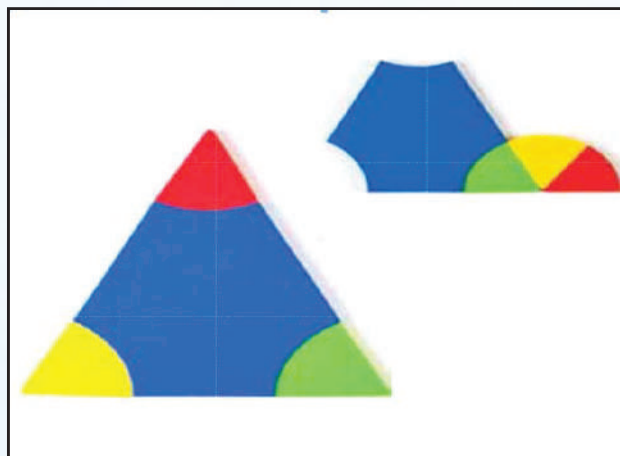
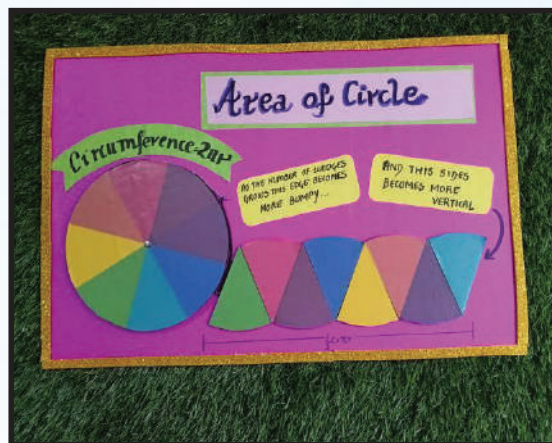- Area of circle. (Roll number 15-21)

1. Chhavi was asked to simplify the expression

$[2 \div (1 + 1 \div \frac{1}{2})] \times [3 \div (\frac{5}{6} \text{ of } 3/2 \div 1\frac{1}{4})]$. Her answer was ⅘. By how many times was her answer wrong

2. In the given magic square, if each row, column and diagonal have the same sum, then the value of A and B.

1	-10	0
A	-3	-2
-6	4	B

3. What is the median of set of numbers 12,26,17,28,10,14 and 35.

4. Find the value of (-10 -10) ÷ {-10 -(-10 -10)}.

5. Arrange -9÷3, -4+6, 2× (-4), 1×|-7 -3|, -5 -3×2

6. What will be the reciprocal of the product of the reciprocal of 6/7 and 14/18.

7. How many 1/9 are included in 36 ⅔.

8. A maximum of how many pieces of 12.6cm can be cut from a 857cm long rod?

9. Solve: - 0.01 × 0.1 - 0.001 ÷ 10 + 0.01

10. If the product of two number is 3 ⅕ and one of the numbers 1⅗, then what will be the sum of the numbers?

ENGLISH

Summer Holiday Homework: "Not Just Homework—An Artistic Adventure!"

General Instructions:

- All the students are supposed to do the given assignment and activity adhering to the specific instructions given for each.
- Use your creativity to make your activity visually engaging by adding captions, phrases, idioms, pictures and colours.

1. Solve the Practice Worksheet 3 from the Worksheet Booklet in the Literature Section of your Notebook.
2. Read the following novel: 'The Invisible Man' and on the basis of your reading-
   - ➤ Pen portray the character sketch of the over-ambitious scientists Griffin with Dr. Arthur Kemp.
   - ➤ Compare yourself with the protagonist of the novel, and write a paragraph about what you would have done differently if you were there in the same situation.
   - ➤ Use icons or colors to visually represent major traits (e.g., a crown for leadership, a storm for inner turmoil etc.)
   - ➤ Important traits or defining features can stand out with bold, eye-catching shades.

   (Do it in A3 size sheets. You may either draw or paste a picture of the characters).

3. Create a Comic Strip (6-8 panels) with dialogues using phrasal verbs and idioms on any one of the following.
   - ➤ Alien Adventure-Imagine a mischievous alien lands in your school and starts causing hilarious chaos. How will the students and teachers react? Create a comic strip that shows the adventure!
   - ➤ Talking Pets – One day, pets suddenly start talking, revealing their thoughts on their owners, school life, and even their secret adventures when humans aren't watching.
   - ➤ The Secret Life of Stationery – Ever wondered what pens, pencils, and erasers discuss in a pencil box? A comic showing their battles, friendships, and mysterious disappearances.

(Links shared for reference)
https://youtu.be/LUuQvZgV2MY
https://youtu.be/ufOXBuGhVWg?si=X5OT_8DeCjepFck6
https://youtu.be/cxpns4iR_dQ?si=5fqHSu5XVaS_Z_7V

SCIENCE

Revision (chapter1&6-Nutrition in plants and Temperature and heat)

- **This worksheet is compulsory for all the students. Kindly take out the print and solve in your science notebook**

Q1. Deep inside the ocean, sunlight can hardly reach, yet plants such as brown and red algae are found here.

(a) How do you think they are able to live there?

(b) Can plant use artificial source of light (for example, tube light) for preparing food?

(c) Name the pigments responsible for photosynthesis in brown and red algae.

Q2. What is the difference between a thermometer and a calorimeter?

Q3. How does the human body regulate its temperature?

Q4. One day the minimum temperature in Bombay was recorded as 80.6° F. What was the temperature in degree Celsius of Bombay on that day?

Q5 In the month June, on one day the maximum temperature in Delhi was recorded as 42.4° C. Convert it into degree Fahrenheit.

Q6 Convert the boiling temperature of gold, 2966 °C, into degrees Fahrenheit and kelvin.

Q7Convert the temperature of dry ice, −77 °C, into degrees Fahrenheit and kelvin.

- **Please do the work provided according to the roll numbers**
- **Guidelines for presentation**
  - The presentation should contain maximum 10 slides.(excluding introductory slide)
  - It should include introduction ,concept , working or application of the given topic
  - Students have to write their name , class , section and roll no. on the introductory slide

  Prepare the presentation thoroughly for internal assessment evaluation

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ROLL NO 1 – 10

1. To make a desk organiser

Materials required -

- Two big containers of plastic / paper - (500 ml)
- Scissors
- Chart paper(colour of your choice)
- 5 ice cream sticks
- Fevicol
- Cardboard
- 2 skewer sticks

https://youtu.be/M3TOKTHYc3g?si=YTXOwB2OW4tki6cm

2. To make a Power Point Presentation on the topic - **climate and factors affecting it**

ROLL NO 11 – 20

1.To generate electricity from tomato / potato
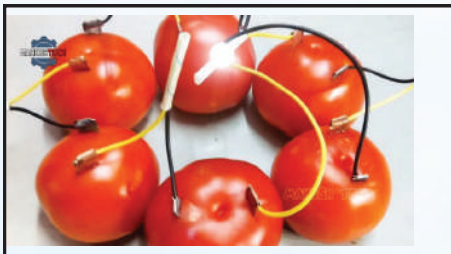
Materials required

- Potato/tomato
- Connecting wires

- LED
- Zinc strips
- Copper strips

Visit the website to learn the steps –

https://www.youtube.com/watch?v=Oy-UjmdPMfg

2. To make a Power Point Presentation on the topic – **Adaptation of plants and animals in polar and tropical region (amazon forest as lungs of earth)**

ROLL NO 21 – 30

1. To make mini solar car

Materials required

- Popsicle sticks
- Drinking straw
- Glue gun
- Wood stick
- Bottle caps
- Solar panel(3V)
- ON/OFF switch
- Fan blade
- DC motor

Visit the website to learn the steps –

2.To make a Power Point Presentation on the topic – **Endangered plants and animals**

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COMPUTER

1 - "Excel in Excel"

Create the below tables in MS Excel and solve the mentioned questions.

1. **Math Functions**

Number 1(N1)	Number 2(N2)	Total	Product	MOD (N1,N2)	EVEN (N1)	LCM	GCD
15	6						
27	9						
34	12						
45	18						
23	8						
16	7						
28	5						
35	10						
50	20						
19	13						

Questions.

1) Add n1 and n2 in Total column using sum formula.
2) Multiply N1 and N2 in product column.
3) Calculate remainder of n1 and n2 in mod column.
4) Calculate the nearest even number from N1 in even column.
5) Calculate least common multiple of N1 and N2 in lcm column.
6) Calculate greatest common divisor of N1 and N2 in GCD column.

2. Time and Date Analysis

Student Name	Date of Birth	Current Date	Now	Login Time	HOUR	MINUTE	SECOND
Aryan	15-04-2011			08:32:15			
Meera	10-08-2010			09:05:50			
Rahul	02-12-2011			07:45:30			
Tanya	25-01-2012			08:50:45			
Kunal	18-03-2010			08:15:00			

1. Use the TODAY () function to display the current date in the "Current Date" column.
2. Use Now () function to display the current date with time in Now column.

3.   Use the HOUR (), MINUTE (), and SECOND () functions to extract time components from the "Login Time".

Statistical and logical Functions

Student Name	English	Maths	Science	Total	Average	Passed (Average ≥ 40?)
Aryan	88	91	85			
Meera	40	38	45			
Rahul	75	80	78			
Tanya	92	94	96			
Kunal	60	55	58			
Neha	35	48	42			
Aman	90	89	91			

1.Find the Total Marks for each student.

2. **Calculate the Average Marks** for each student.

3. **Use an IFS function** to check if a student has secured passing marks. If Average marks is greater than or equal to 40 then update the cell as pass or if it is less than 40 mention it as fail.

4. How many students appeared for the test? Use the desired function to solve this.

5. How many students scored more than 40 in English? Use the desired function to solve this.

2- Poster Design in Krita - "Protect Our Forests"

Objective:
Create a creative and informative digital poster on the topic *"Protect Our Forests"* using Krita.
Follow the steps below to complete your poster.
1- **Open Krita** and click on **New File** > click **Create**.
2- Import an Image:
Go to Layer > Import/Export > Import Layer. Select a related image (e.g., trees, animals, or forests) from your computer and click Open.
3- Resize the Image:
Use the Transform Tool to resize the image to fit the canvas. Drag the handles to adjust the size.
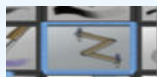4- Add Text:
   Select the Text Tool from the toolbox.
   Click on the canvas and type "Protect Our Forests".
   Customize the font style, size, and colour using the text editor window.
   Click Save and Close to add the text to your canvas.
5- Clone Part of the Image

    a.   Use the Clone Tool from the Brush Presets.

b. Press the Ctrl key and click on an image area (like a tree).

c. Release Ctrl, move the brush, and click where you want to duplicate the selected image.

6- Save Your Work:

d. Go to **File > Save As** and save the project in. kra format.

e. Also export your poster as a **.jpg or .png** file.

3. Solve the worksheet-2 (Formulas and Functions) from your worksheet booklet in your computer notebook.

Submission Instructions:

- Submit both the **Krita project file** and the **excel file** via email to your subject teacher.

- Class 7A, 7B share with Payal Gupta Ma'am- kp.payalgupta@asterinstitutions.com

- Class 7C, 7D, 7E share with Sayani Mitra Ma'am- kp.sayanimitra@asterinstitutions.com

HINDI

- 8 -10 मुहावरों का प्रयोग करके एक कहानी की रचना करें तथा उचित शीर्षक भी दें।

- हरिशंकर परसाई रचित कोई व्यंगात्मक कहानी पढ़कर यह बताएँ कि लेखक उस कहानी के माध्यम से समाज को क्या संदेश देना चाहते हैं। अपने विचार उत्तर पुस्तिका में सूचीबद्ध करें।

- अपने जन्म दिवस पर अपनी मित्र को आमंत्रित करते हुए एक पत्र लिखिए।

SANSKRIT

अस्माकम् देश :

1.भारतवर्षः अस्माकं देशः अस्ति ।-अस्य भूमिः विविधरत्नानां जननीअस्ति ।अस्य प्राकृतिकी शोभा अनुपमा अस्ति । हिमालयः अस्य प्रहरी अस्ति ।एषः उत्तरे मुक्टुमिणः हव शोभते ।सागर अस्य चरणी प्रक्षालयति ।अनेक पवित्रतमाः नघः अब वहन्ति ।गंगाः गोदावरीः सरस्वतीः यमुनाः नथः अस्य शोभा वर्द्धयति । अयं देशः सर्वास्तं विधानां केन्द्रम अस्ति । अयं अनेकपदेशेषु विभकरः ।

(अस्माकम् देश : - अनुच्छेद कॉपी में लिखिए तथा यिद कीजिए ।

2. नई दीप मिणका पुस्तक में से कोई दो प्रार्थना याद कीजिए

3. पाठ -1-2 का कार्य कॉपी में पूरा कीजिए तथा याद कीजिए ।

4. संस्कृत में प्रतिदिन पाँच वाक्य लिखने का अभ्यास कीजिए ।

GERMAN

F1.

Schulsachen

1) Ordne die Schulsachen.

a) der Radiergummi
b) das Mäppchen
c) das Buch
d) das Heft
e) der Ordner
f) der Spitzer
g) das Lineal
h) die Schultasche
i) der Bleistift
j) die Schere

2. Was ist das denn? Schreib mit ‚ein-eine'.

a. Das ist _____ Lineal.

b. Das ist _____ Radiergummi.

c. Und das ist _____ Ordner.

d. Das ist _____ Spizter.

e. Das ist _____ Schere.

f. Das ist _____ Schultasche.

F2. Konjugation

sein	haban	suchen	finden	brauchen

F3.

Woche & Wochentage

A) Finde die Wochentage im Suchgitter:

| T	A	G	B	H	S	O	Z	A	D	F	B	T	M	X
F	R	E	I	T	A	G	E	M	T	A	G	F	I	N
M	U	G	D	T	M	P	L	O	F	T	S	V	T	D
O	G	D	Y	R	S	O	N	N	T	A	G	H	T	I
N	C	I	U	E	T	U	E	T	B	G	A	I	W	E
H	O	E	B	I	A	T	N	A	X	I	K	E	O	N
T	K	N	A	K	G	W	U	G	N	T	D	U	C	S
A	A	S	N	I	X	G	T	A	W	O	C	H	H	F
S	D	T	N	D	O	N	N	E	R	S	T	A	G	P
S	P	A	T	X	G	A	F	H	B	E	A	I	Y	O
W	J	G	S	U	M	I	W	E	K	U	P	T	M	L

F4. **Did you know???**

The very first day of school life is really special for children in Germany. There is a celebration and parents give their child a "Schultüte". It is a large colourful cone filled with sweets and stationery, eg. pencils, scale, scissors or a sharpener. After the child's first day at school, relatives and friends come over to congratulate them. This tradition is more than 150 years old. Do you remember your first day of school? How was it? Do you have any such tradition in your country?

Make a "Schultüte"

For example:
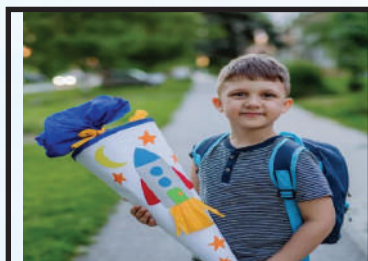
FRENCH

Cultural exploration:

Learn the French song : CHAMPS ÉLYSÉES

Vocabulary enhancement:

Listen to the audio and answer the questions from the link given below:

https://apprendre.tv5monde.com/fr/exercices/a1-debutant/embed/une-journée

Creative Writing:

Make a report on the school life in dialogues by interrogating your friend. Ask 5 questions and write the responses in an A4 size sheet.

Instructions:

- *Everything to be done in French.*
- *Work done should be neat and presentable.*

ART

"Art is the journey of a free soul. Art helps us see the world differently."

This holiday homework is a chance to experiment, reflect, and create the works that speak your thoughts. These holiday activities will take you through new styles and ideas. Pick up your pencils, brush, and let your creativity shine!"

1. Drawing - Kalighat Painting

2. Craft - Newspaper Craft

Please find the detailed Holiday Homework and activity instructions in the PDF linked below. Make sure to follow the guidelines and enjoy the creative process!

[Click on the link to view/download the Holiday Homework PDF]

https://drive.google.com/file/d/1IYtlLjeKCYxGtoGudJgOMjC_qKRCGek2/view?usp=drive_link