

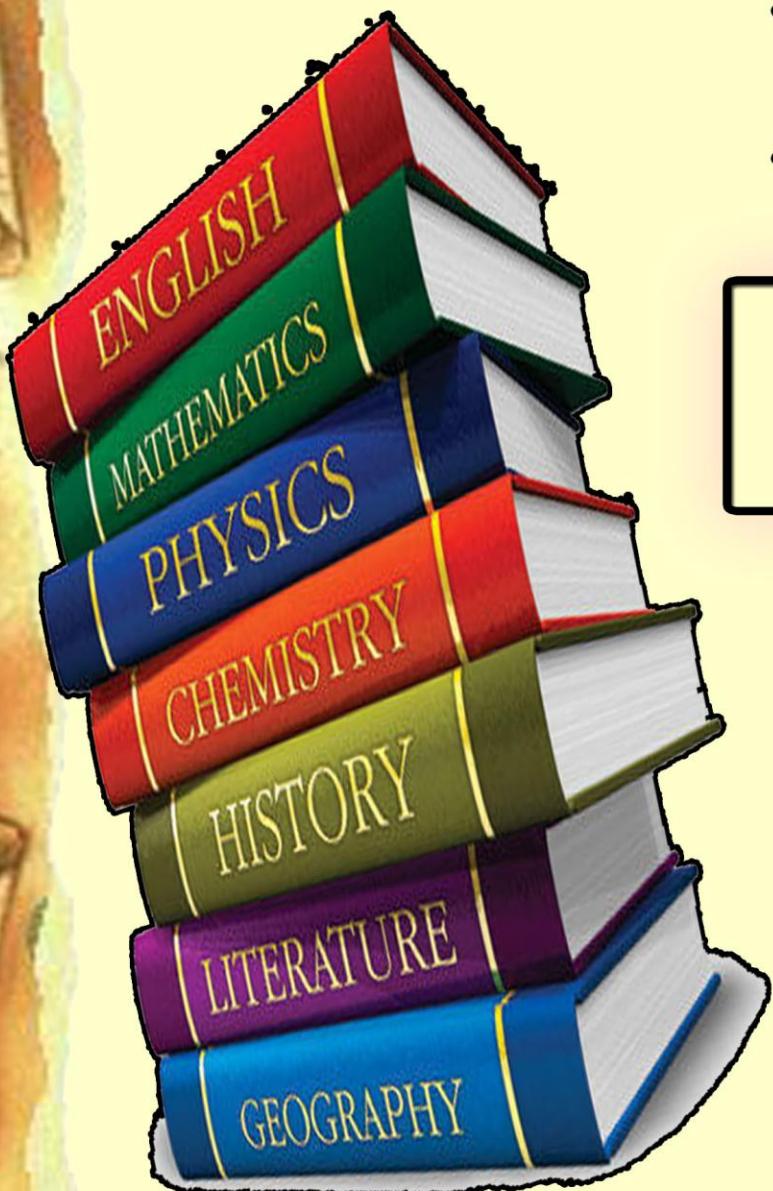
**DAV PUBLIC SCHOOL
SARABHA NAGAR EXTENSION
PAKHOWAL ROAD, LUDHIANA**

CBSE AFFILIATED

**SUMMER HOLIDAY
ASSIGNMENTS**

CLASS - X

SESSION -2018-19



MESSAGE

Dear Parents

The most cherished time of the session is on its way to bring smile on children's face. Let's welcome to the treasured and rejuvenating summer break.

The concept of summer vacation has transformed the holiday period into a learning and fun-filled time for children. It provides a break from the academic schedule and a chance to adopt an innovative skill. There is plethora of options to choose from dance, art and craft to gardening, swimming, skating or karate classes; the choice is all yours. The summer break keeps the schedule a bit relaxing but it needs to be utilized judiciously. The scholastic and integrated, creative school activities and projects are designed to help in the holistic development of the child. The novel ideas to accomplish the task will certainly broaden their outlook.

The children should be guided to follow time schedule to get the optimum utility of summer break. They need to be given utmost care and protection at home. The quality time spent with kids will inculcate family ethics and affection in them. Instruct the child to be more vigilant while spending time in outdoor activities. Refrain from talking with the strangers and sharing personal details with them. Guide the children to adopt healthy eating habits. Lots of fresh fruits, juice and liquids will ward off the heating effect of the season. Take out some time for prayer, yoga and meditation as it is required for the purification of body and mind. The balance of accomplishing academic assignment and nurturing an innovative skill will surely make this summer vacation a memorable time for the children. The quality time and the tips to ensure the holistic personality development should be a constant parental concern as these moments make an indelible imprint on child's mind and soul.

May God protect my children from every evil and bless them with sound health, bundle of joyful moments. I hope to see them ever smiling after summer break.

Blessings and regards!

Dr. Satwant Kaur Bhullar

Principal

GENERAL INSTRUCTIONS

1. Holidays work must be done in a very neat and presentable manner.
2. The child will be assessed on the basis of handwriting, presentation, neatness, completion of all the given questions and indexing of the work.
3. Questions must be done in the given sequence.
4. Notebooks, Scrap files, drawing files should be covered properly.
5. Avoid cutting & over writing.
6. Mention date and day before starting day's work.
7. Assignments attempted by parents will not be evaluated.

SCHEDULE OF SUBMISSION OF HOMEWORK IS AS FOLLOWS

- English, Maths, Punjabi & Art – 16 July 2018
- Hindi, Social Science & Science – 17 July 2018
- Late submission shall not be accepted.
- Creative work must be done beautifully.

Dear Students

Two months of the new academic year have already passed and we are looking forward to the summer vacation with a lot of excitement. Summer vacation is both a time for relaxation as well as a perfect interval to analyze one's performance and take measures for improvements. It is therefore imperative to spend the holidays in a planned manner. Here are some suggestions, which we feel would make your vacation more rewarding.

1. Get up before sunrise and watch the various shades of the sky as the sun comes up. Take a brisk morning walk and listen to the melodious chirping of birds. Spend some time doing yoga and meditation and other exercises to remain fit and fresh.
2. Summer activities like reading and Diary/journal writing can help you explore your creativity and enhance your vocabulary. Keep a journal about your activities, memorable experiences, funny anecdotes, progress made in rectifying problem areas etc.
3. Develop a new skill, be it learning simple stitching or making a few healthy snacks.
4. Watch interesting documentaries, read magazines and solve crossword puzzles etc.
5. Spend quality time with your parents/elders.
6. Take a break from social networking and talk to your elders about their experiences during the summer vacation when they were in school and help out with household chores.
7. Write a letter to your parents, sharing your deepest feelings with them that are often left unsaid in the commotion of your daily routine and submit the same to your Class Incharge.
8. Revise and practice all the work done before the vacation as you would be appearing for your Half Yearly Exams shortly after the vacations.
9. Under **parental supervision**, students can make use of apps like Word Search, 4 Pics One Word, Word Cookies, IEO etc. to enhance their vocabulary.

I hope these suggestions will help you to spend your vacation in a fruitful and interesting manner. I hope that everyone has a very refreshing and creative summer vacation. I look forward to see all of you again in July, ardent and eager to learn.

Warm wishes

Dr. Mrs. Satwant Kaur Bhullar

Principal

WE WISH ALL OUR STUDENTS GOOD HEALTH

&

HAPPY HOLIDAYS!!!

ENGLISH

1. BBC -Practice the following concepts from BBC. Attempt the answers in BBC only:
Worksheet no.

Comprehension Passages	Page – 54,56, 58 & 60	6-9
Story writing	Page – 158,160,162	22-24
Sentence Reordering	Page - 232	28
Dialogue Completion	Page - 262	33
Worksheet ‘The Dear Departed’	Page – 342	43
Worksheet ‘ Ozymandias’	Page – 324	40

2. Read Chapters 1to14 of the novel 'The Story of my life ' during your summer vacation and revise Question Answers for Mid Term Examination.

The following work is to be done in Class work Notebooks.

3. Write a description of any place you visited during vacation in 250 words.
Climate – places worth seeing – historical or other interesting facts – vegetation – famous dishes – access through mode of transport – your likeness.
 4. Based on MCB unit ‘Education’: Write a letter to the editor of a national daily about the causes of illiteracy in India and suggest some solutions also to remove illiteracy from the country.
 5. Based on MCB unit ‘Health and Medicine’ , write an article on ‘Balanced Diet’.

Speaking Skill: Declamation Contest

6. Prepare a short speech (3-4 minutes) on the following topics for Inter Class Declamation Competition to be held after summer vacation.

Topics	MCB Unit
Change in eating habits – cause of deterioration in health (Roll no. 1- 10)	Health and Medicine
Need of Vocational Education In Modern Scenario ((Roll no. 11- 20)	Education
We have Guided Missiles and Misguided Men (Roll No.21-30)	Science
Waste Management – the need of the hour(Roll No. 31-40)	Environment
Does Social Media Affect The Unity Of Our Country ? (41 onwards)	National Integration

The theme for the school magazine this year is What a wonderful world. At least one contribution in the form of an article, paragraph, poem etc. should be mailed by you to Students can illustrate their written pieces too! Stand alone drawings, sketches etc. too are welcome and can be handed over to the respective class teachers once you come back. In case you can't mail your contributions just write in long hand and hand over to your class teacher once the school reopens. All contributions should be based on the theme!

Themes :-

1. Childhood
2. Importance of Sports and Games
3. Technology and youngsters
4. Our Environment
5. Unity in Diversity
6. My Inspiration
7. Generation Gap
8. Save the girl child
9. Courage and triumph
10. Invincible spirits
11. Victory with Determination
12. Kaleidoscope – an expression of school life

HINDI

नोट— निम्नलिखित गतिविधियाँ अलग कॉपी में करें।

- 1.फेरीवाले हमारे दिन—प्रतिदिन की बहुत—सी ज़रूरतों को आसान बना देते हैं।फेरीवालों के योगदान व समर्थ्याओं पर एक संपादकीय लेख तैयार कीजिए।
2. अपने घर के आस—पास देखिए और पता लगाइए कि नगरपालिका ने क्या—क्या काम करवाए हैं।हमारी भूमिका उसमें क्या हो सकती है?
3. 'किबला शौक फरमाएँ', 'आदाब—अर्ज...शौक फरमाएँगे' जैसे कथन शिष्टाचार से जुड़े हैं। अपनी मातृभाषा के शिष्टाचार सूचक कथनों की एक सूची तैयार कीजिए।
- 4.किसी भी समसामायिक विषय(current events) पर वाचन कौशल हेतु तीन से पाँच मिनट की विषय वस्तु तैयार करें।

नवयुग में से

अभ्यास कार्य पृष्ठ संख्या—10,11,29,30,31,160,161 पुस्तक पर पेंसिल से करें।

MATHEMATICS

1. Prepare a chart:

Roll No-1 to 10	Life history of any Indian Mathematician
Roll No-11to 20	Quotation based on Mathematics
Roll No- 21 to 30	Area and volume of 3-D geometrical shapes along with their images for example: Cube , Cuboid etc
Roll No-31to 40	Collage of Indian Mathematicians
Roll No-41 to 50	Area of geometrical shapes along with their images for example: Square, Triangle etc

ASSIGNMENT

1. Write a rational number between $\sqrt{2}$ and $\sqrt{3}$.
2. Use Euclid's division algorithm to find the HCF of 1288 and 575.
3. Find the HCF and LCM of 6, 72 and 120 using prime factorization method.
4. Show that square of an odd positive integer is of the form $8m+1$, for some integer m.
5. Find the largest positive integer that will divide 122, 150 and 115 leaving remainders 5, 7 and 11 respectively.
6. Find a quadratic polynomial whose zeroes are $\frac{-2}{\sqrt{3}}$ and $\frac{\sqrt{3}}{4}$.
7. Write the degree of zero polynomial.
8. If the zeroes of the polynomial $x^3 - 3x^2 + x + 1$ are $\alpha - \beta, \alpha, \alpha + \beta$, find α and β .
9. If one of the zeroes of the polynomial $2x^2 + px + 4 = 0$ is 2, find the other root, also find the value of p.
10. Find the value of k so that the lines $2x-3y=9$ and $kx-9y=18$ will be parallel.
11. Find the value of k for which $x+2y=5$, $3x+ky+15=0$ is inconsistent.
12. Determine the value of 'a' if the system of linear equations $3x+2y-4=0$ and $9x-y-3=0$ will represent intersecting lines.
13. Write any one equation of the line which is parallel to $\sqrt{2}x - \sqrt{3}y = 5$.
14. For what value of k the following pair has infinite number of solutions:
$$(k-3)x+3y=k$$
$$K(x+y)=12$$
15. 5 pencils and 7 pens together cost Rs.50 whereas 7 pencils and 5 pens together costs Rs.46. Find the cost of one pencil and that of one pen.

16. Find the fraction which becomes to $\frac{2}{3}$ when the numerator is increased by 2 and equal to $\frac{4}{7}$ when the denominator is increased by 4.

17. Solve the equations: $px+qy=p-q$ and $qx-py=p+q$.

18. Solve the equations by using cross multiplication method:

$$\frac{1}{2x} - \frac{1}{y} = -1$$

$$\frac{1}{x} + \frac{1}{2y} = 8, \text{ where } x \neq 0, y \neq 0$$

19. 8 men and 12 boys can finish a piece of work in 10 days while 6 men and 8 boys can finish it in 24 days. Find the time taken by 1 man alone and that by 1 boy alone to finish the work.

20. Given that $HCF(306,657)=9$, Find $LCM(306,657)$.

21. Use Euclid's division lemma to show that the square of any positive integer is of the form $5q$, $5q+1$, $5q+4$ for some integer q .

22. The area of a rectangle remains the same if its length is increased by 7cm and the breadth is decreased by 3cm. The area remains unaffected if length is decreased by 7cm and breadth is increased by 5cm. Find the length and breadth of rectangle.

23. The angles of a triangle are x , y and 40^0 . The difference between the two angles x and y is 30^0 . Find x and y .

24. Two years ago, Salim was thrice as old as his daughter and six years later, he will be four years older than twice her age. How old are they now?

25. A person, rowing at the rate of 5km/hr in still water, takes thrice as much time in going 40km upstream as in going 40km downstream. Find the speed of the stream.

SCIENCE

*List of practicals to be done in practical copy :

PHYSICS

1. To study dependence of current on potential difference across the resistor and determine its resistance.
2. To determine the equivalent resistance of two resistors when connected in series.
3. To determine the equivalent resistance of two resistors when connected in parallel.

CHEMISTRY

1. To find out the Ph of the following samples by using Ph paper/universal indicator.
2. To perform and observe and classify the reaction:
 - a) Action of water on quicklime.
 - b) Ferrous sulphate crystals are heated.
 - c) Iron nails is kept in copper sulphate solution.
 - d) Reaction of Sodium sulphate and Barium chloride.

BIOLOGY

1. To prepare a temporary mount of leaf peel to show stomata.
2. To show experimentally that Carbon dioxide is given out during respiration by use of KOH.

***INSTRUCTION FOR WRITING PRACTICALS:**

1. All work on blank page is to be done with pencil and on ruled pages headings with black pen and blue gel pen for explanation.

2. Blank sheet

Ruled sheet

Aim:	Aim
Diagram	Material required
Result (WITH PENCIL)	Procedure
	Observation table
	Precautions

3. Write summary of L-14 Sources of energy in Physics copy.

4. Make power point presentation on the following topics:

- a) L-1 Chemical reaction and equations (Roll no.-1 to 8)
- b) L-2 Acids, Bases and salts (Roll no.-9 to 16)
- c) L-12 Electricity (Roll no.-17 to 24)
- d) L-14 Sources of energy (Roll no.-25 to 32)
- e) L-6 Life processes (Roll no.-33to 40)
- f) L-7 Control and coordination (Roll no.-41 onwards)

This Ppt should be of atleast 5 minutes duration which includes atleast 20 slides and may include videos and still pictures. Power point presentation is to be mailed to your science teacher on her/his email id.

5. Students will prepare seminar on following topics with the help of some aids and black board to make the presentation more effective. They should practice at home before presenting and this will be considered as one of the enrichment activity for internal assessment.

L-1 Chemical reaction and Equation

Topic-a) Combination, Decomposition and Displacement Reaction (Roll no.-1 to 5)

b) Double Displacement reaction, Redox reaction, Corrosion and Rancidity (Roll no.-6 to 10)

L-6 Life Processes

Topic-a) Nutrition (Roll no.-11 to 15)

b) Respiration (Roll no.-16 to 20)

c) Transportation (Roll no.-21 to 25)

d) Excretion (Roll no.-26 to 30)

L-12 Electricity

Topic-a) Electric Current, Electric Potential Difference, Ohm's Law, Resistance and its Factors (Roll no.-31 to 35)

b) Resistance in series, Resistance in parallel, Heating effect of electric current and electric power (Roll no.-36 to 40)

L-2 Acid,Bases and salts

Topic-a) More about salts (sodium hydroxide, bleaching powder, baking soda, washing soda and plaster of paris)(Roll no. 41 onwards)

6- THINK AND ANSWER

(a) Two wires A and B are of equal length , different cross sectional areas and made of same metal

(i) Name the property which is same for both the wires.

(ii) Name the property which is different for both the wires

(b) Why tap water conducts electricity whereas distilled water does not ?

(c) What is the ratio of equivalent resistance of series combination of n equal resistances to the equivalent resistance in parallel combination of these n resistances ?

(d) Why is parallel arrangement used in domestic wiring ?

(e) Why nuclear waste should be disposed off properly ?

(f) With the depletion of fossil fuels , we are facing serious energy crisis. Suggest some ways by which we can overcome this problem .

(g) What are antioxidants? Why are they added to fat and oil containing foods?

(h) Why should curd and other sour food stuffs not be kept in metal containers?

(i) What happens when electricity is passed through water?

(j) Which acid is produced in our stomach? What happens if there is an excess of acid in stomach? How can its effect be cured?

(k) Why is baking powder added to cakes and idlis?

(l) Why rate of breathing in aquatic organisms is much faster than in terrestrial organisms?

(m) What causes opening and closing of stomatal pores?

(n) How do auxins promote the growth of a tendril around a support?

(o) Why herbivores need a longer small intestine than carnivores?

SOCIAL SCIENCE

1) Project on Disaster Management

1-10 :Tsunami

11-20 : Survival Skills

21-30 : Alternative Communication Systems during Disasters

31-40 : Sharing Responsibilities during Disasters

41-50 : Safe Construction Practices

NOTE: It must be made nicely and must be at least of 10-15 pages as its marks are to be included in Internal Assessment on the following parameters:-

- Content
- Presentation
- Illustrations- some story or examples etc
- Diagrams

1) Prepare and learn comparative chart on crops referring to Chapter – Agriculture.

TYPE OF CROP	TEMPERATURE	RAINFALL	SOIL	CHIEF FEATURES
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2) Prepare a list of novels with their writers, main characters if any, theme in a chronological order.(refer chapter-Novels, Society and History)

NOVELIST	YEAR	NOVEL	THEME
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4) **Map activity** :Chapter 1 Page no. 9 Major types of Soil

Major Dams:-Chapter 3 Page no. 28

Salal,BakraNangal, Tehri, RanaPratapSagar, SardarSarovar, Hirakud, NagarjunaSagar, TungbhadrA

Agriculture Chapter 4: States producing Sugar cane, tea, coffee, rubber, cotton ,jute, rice and Wheat

Map on Nationalism in India

5) Learn the following questions as these will be tested after vacations and marks are to be included in Internal Assessment.

- Why is Resource planning important in India?
- What is land degradation?Enlist the causes and ways to solve the problem of land degradation.
- Make a tabular presentation of all types of soil in India.
- What is land soil erosion?Enlist the causes and ways to solve the problem of land degradation.
- Explain the various forms of powersharing. (5 points each)
- Explain the first and the second test of democratic politics.
- Describe Centre State relations with examples
- Enlist the features of Federalism. (Any 5)
- Enlist provisions of Amendment Act of 1992 of Decentralization.
- Why is tertiary sector gaining importance these days?
- Compare the criteria used by World Bank and UNDP. Enlist the demerits of each.
- Difference between organized and unorganized sector.
- Difference between public and private sector.
- What was the impact of First World War on India?
- Write a note on various Satyagraha movements started by Gandhi ji.
- How Non Cooperation programme was adopted?
- How peasants and tribals participated in Non Cooperation Movement?
- How Non Cooperation Movement spread in Cities?
- What were the reasons for failure of Non Cooperation Movement?
- What led to the beginning of Civil Disobedience Movement in India?
- How different groups participated in Civil Disobedience Movement?
- Differentiate between Non Cooperation and Civil Disobedience Movement.
- Write a note on Poona Pact.
- How different things create a feeling of Collective belonging in India?
- Explain the reasons for water scarcity in India.
- Scrutinize the significance of Multipurpose River Valley Projects in India
- Write a note on Tankas
- Enlist five features each of the methods of Agriculture
- Explain various cropping patterns found in India.
- Explain the various technological and Institutional reforms to improve agriculture.

6) Make ppts on the following topics and prepare the same as you will be presenting the same in class

- Roll no.1 to 5 Ch 1 Resource and development(geography)
- Roll no. 6 to 10 Ch-3 Water as a resource(geography)
- Roll no. 11 to 15 Ch-3 Nationalism in India(history)
- Roll no. 16 to 20 Ch-6 Novel, society and history(history)
- Roll no. 21 to 25 Ch-2 Sectors of Indian economy(economics)
- Roll no. 26 to 30 Ch 3 Money and credit(economics)
- Roll no. 31 to 35 Ch-1 Power sharing(political science)
- Roll no. 36 to 40 Ch -2 Federalism(political science)
- Roll no 41 to 45 Ch -4 Agriculture(geography)
- 46 onwards Ch-3 Democracy and diversity(political science)

PUNJABI



1. ਪੰਜਾਬੀ ਦੇ ਪੰਜ ਲੇਖਕਾਂ ਦੇ ਜੀਵਨ ਬਾਰੇ ਤਸਵੀਰਾਂ ਸਹਿਤ ਸੰਖੇਪ ਜਾਣਕਾਰੀ ਦਿਉ।

2. ਨਸ਼ਾ ਤਬਾਹੀ ਦਾ ਰੂਪ ਹੈ। ਇਸ ਬਾਰੇ ਘਟਨਾਵਾਂ ਨਾਲ ਜੁੜੀਆਂ ਖਬਰਾਂ (ਤਿੰਨ) ਪੰਜਾਬੀ ਅਖਬਾਰ ਵਿੱਚੋਂ ਕੱਟ ਕੇ ਲਗਾਓ।

3. ਪਾਠ-ਪੁਸਤਕ ਸਾਹਿਤਕ ਕਿਰਨਾਂ ਵਿੱਚੋਂ 'ਕਸ਼ਮੀਰ ਨੀਰ' ਦੀ ਕਵਿਤਾ 'ਗੁੰਮ ਨੇ ਰਸੋਈ ਵਿੱਚੋਂ' ਨੂੰ ਪੜ੍ਹ ਕੇ ਉਸ ਵਿੱਚ ਆਉਂਦੀਆਂ ਲੁਪਤ ਹੋਈਆਂ ਚੀਜ਼ਾਂ ਦੀ ਚਿਤਰਕਾਰੀ ਕਰੋ।

4.ਤੁਸੀਂ ਆਪਣੇ ਮਾਤਾ-ਪਿਤਾ ਨਾਲ ਛੁੱਟੀਆਂ ਵਿੱਚ ਜਿੱਥੇ ਵੀ ਘੁੰਮਣ ਗਏ ਉਸ

ਬਾਰੇ ਲਿਖੋ ਅਤੇ ਤਸਵੀਰਾਂ ਲਗਾਓ।

5.'ਖ' ਅੱਖਰ ਤੋਂ ਸ਼ੁਰੂ ਹੋਣ ਵਾਲੇ ਮੁਹਾਵਰੇ ਯਾਦ ਕਰੋ।

6." ਪੰਜਾਬੀ ਬੋਲੀ ਦਾ ਸਥਾਨ " ਵਿਸ਼ੇ ਉੱਤੇ 250-300 ਸ਼ਬਦਾਂ ਵਿੱਚ ਲੇਖ
ਲਿਖੋ।

7.ਹੇਠਾਂ ਦਿੱਤੇ ਵਿਸ਼ਿਆਂ ਉੱਤੇ ਇਸ਼ਤਿਹਾਰ ਤਿਆਰ ਕਰੋ:-

1. ਮੋਟਰ ਸਾਈਕਲ ਦਾ ਸ਼ੋਆ ਰੂਮ

2.ਮਨਿਆਰੀ ਦੀ ਦੁਕਾਨ

8.ਪੰਜਾਬ ਦੇ ਅੰਤਰ-ਰਾਸ਼ਟਰੀ ਪ੍ਰਸਿੱਧੀ ਪ੍ਰਾਪਤ ਕੋਈ ਹਾਕੀ ਦੇ ਤਿੰਨ
ਖਿਡਾਰੀਆਂ ਦੀਆਂ ਤਸਵੀਰਾਂ ਲਗਾਂ ਕੇ ਉਹਨਾਂ ਦੀਆਂ ਖੇਡਾਂ -ਪ੍ਰਾਪਤੀਆਂ
ਬਾਰੇ ਜਾਣਕਾਰੀ ਲਿਖੋ।

ART

- Decorative Files :- Pictures for reference to complete the project
- Tiara with Ribbons/Beads



Dear Students ,

This summer project is given to you, will be displayed in upcoming Art Exhibition. All types of craft work is allowed.

This year Art Department has announced the theme DREAM / any topic of your choice for upcoming ART, the size for the painting will be full size ivory sheet (20"x 30"). Painting should not be copied, it should be original idea of the student. Girls should make horizontal paintings and Boys are supposed to make vertical paintings , complete paintings they should submit to Art Department. The best projects / paintings will be kept for **Annual Art Exhibition cum SALE.**



➤ Make **Sujildli** with the help of your mother/grandmother. (compulsory for all)