

A decorative border featuring a green ribbon that forms a frame around the text. The ribbon is tied into bows at the corners. The background is white with green floral motifs, including leaves and small flowers, and a pattern of green dots. The text is centered within the ribbon frame.

DAV PUBLIC SCHOOL

SARABHA NAGAR EXTENSION

CBSE AFFILIATED

SUMMER ASSIGNMENT

CLASS VIII

SESSION 2017-18

Class VIII

Dear Parents

The most awaited vacation of the year are around the corner. It is a wonderful time to relax, enjoy ice-creams and spend quality time with our families. At the same time, it is a time to revise the work done in the previous months. Here are some suggestions to make the vacation a memorable one.

- Play with them, tell them stories and talk to them about their problems, aspirations etc.
- Tell them anecdotes and share your experiences about summer vacations when you were in school and give them a glimpse into your childhood.
- Help them set and achieve goals for self-improvement and motivate them by your own active participation (for example managing anger, meditating for calmness, cycling and yoga for fitness)
- Encourage them to read, dance, paint and sing. Motivate them to pursue a hobby.
- The homework assignments and activities are designed to help the students explore their own creativity as they attempt each of the fun-filled subject enrichment activities. Help them to create something truly magical in the process.
- Focus and develop an effective diet routine for your child and always remind him/her to stay hydrated by drinking a lot of water and fluids.
- Talk to your child about the bigger purpose of their life and life skills. Cultivate positive perspective towards life.

I hope that these suggestions would help to cement the bond between you and the children as well as help us to work as partners in shaping an extraordinary future for our kids.

Warm wishes,

Dr. Mrs. 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 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 – 15 July 2017
- Hindi, Social Science & Science – 17 July 2017
- 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 vacations with a lot of excitement. Summer vacation is both a time for relaxation as well as a perfect interval to analyse 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 vacations 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. Try to observe the calmness and other changes you feel in yourself and write about your experience in your personal diary.
2. Summer activities like reading and 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 life-skill, be it learning simple stitching or making a few healthy snacks.
4. Watch interesting documentaries, read magazines and solve crossword puzzles etc.
5. 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.
6. 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.
7. Revise and practice all the work done before the vacation as you would be appearing for your Half Yearly Exams shortly after the vacations.
8. Under **parental supervision**, students can make use of apps like Word Search, 4 Pics One Word, Word Cookies, IEO etc. to enhance their vocabulary.
9. **The E-Magazine is an excellent platform to showcase students' original compositions and artistic creations. The students may send self composed poems, stories, facts, crosswords on the following email id for Class 8 (davsarabha78@gmail.com).**

I hope these suggestions will help you to spend your vacations in a fruitful and interesting manner. I hope that everyone has a very happy and restful summer vacation. I look forward to seeing 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!!!

Class VIII (Sections: A, B)

General instructions:

1. Submit your work in a separate notebook.
2. Creativity and originality of the work will be appreciated.

OBJECTIVE TYPE QUESTIONS

1. A number having _____, _____, _____, _____ at ones place is never a perfect square.
2. Is (12, 13, 14) a Pythagorean triplet?
3. Write a Pythagorean triplet whose one member is 18.
4. How many non square numbers lie between 30^2 and 31^2 .
5. Write the value of : $\frac{\sqrt{1183}}{\sqrt{2023}}$.
6. Find the value of : $\sqrt{99} \times \sqrt{396}$
7. Is 5027 a perfect square?
8. Write the value of : $\sqrt{0.000081}$
9. Find the measure of one side of a square sheet if area 144 cm^2 .
10. Write the smallest number by which 200 must be multiplied to make it a perfect square.

LONG ANSWER TYPE QUESTIONS

11. The area of a playground is $80\frac{244}{729}$ square metres. Find the length of one side of the playground.
12. Evaluate : $\sqrt{50625}$ and hence find the value of $\sqrt{506.25}$ and $\sqrt{5.0625}$.
13. Find the value of $\sqrt{103.0225}$ and hence find the value of $\sqrt{10302.25}$ and $\sqrt{1.030225}$
14. A PT teacher wants to arrange maximum possible number of 6000 students in a field such that the number of rows is equal to number of columns. Find the number of rows if 71 were left out after arrangement.
15. Find the smallest number which when multiplied with 137592 to make the product a perfect cube. Find the cube root of the product.
16. Three numbers are in the ratio 2:3:4. The sum of their cubes is 33957. Find the numbers.
17. Find the Cube root of the following numbers:
 - (a) 140×2450
 - (b) -2300×5290
18. Find the Cube roots of the following numbers:
 - (a) $\frac{1331}{4096}$
 - (b) $\frac{-2197}{9261}$

10. Find the smallest number by which 557568 must be divided so that it becomes a perfect square?
 (a) 2 (b) 3 (c) 4 (d) 6
11. The length of the edge of a cube whose volume is 74.088 m^3 is-
 (a) 4.52 m (b) 4.62 m (c) 4.22 m (d) 4.2 m
12. Simplify: $\sqrt[3]{0.008} + \sqrt[3]{0.343} - \sqrt{0.25}$.
 (a) 0.4 (b) 0.5 (c) 0.8 (d) 0.7
13. Three numbers are in the ration 2:3:4 and sum of their cubes is 2673. The sum of these numbers is-
 (a) 27 (b) 26 (c) 28 (d) 29
14. The value of $\sqrt[3]{0.000000064}$ is-
 (a) 0.004 (b) 0.002 (c) 0.0004 (d) 0.00004
15. What is the smallest number by which 8788 must be divided so that the quotient is a perfect cube?
 (a) 2 (b) 3 (c) 4 (d) 6
16. A 270 m long train is running at 81 km/hr. How much time will it take to cross a 225 m long platform?
 (a) 18 sec. (b) 21 sec. (c) 22 sec. (d) 24 sec.
17. Ranjna types 510 words in half an hour. How many words should she type in 10 minutes?
 (a) 153 (b) 150 (c) 170 (d) 85
18. 11 persons can dig $6\frac{3}{4}$ m long trench in one day. How many men should be employed for digging 27 m trench of the same type in one day?
 (a) 42 men (b) 43 men (c) 44 men (d) 46 men
19. A garrison of 1500 men had provision for 38 days. However a reinforcement of 400 men arrived. For how many days will the provision last?
 (a) 28 days (b) 30 days (c) 32 days (d) 34 days
20. A train is running at a speed of 72 km/hr. It crosses a pole in 25 secons. What is the length of the train?
 (a) 200 cm (b) 250 cm (c) 300 cm (d) 350 cm

TEST YOUR KNOWLEDGE OF LOGICAL REASONING

VERBAL REASONING

1. If ZOO stands for 56, DEER stands for 32 then for which numerical value LION stands for?
 (a) 48 (b) 49 (c) 50 (d) 51
2. BMX, DNW, FOU, ?
 (a) HQS (b) HPT (c) HPS (d) IPT
3. Arrange these words in alphabetical order and choose the one that comes first.
 (a) Quarter (b) Quality (c) Qualify (d) Quarrel
 Choose the Odd one out (**Questions 4 and 5**)
4.
 (a) Optics (b) Physics (c) Mechanics (d) Dynamics
5.
 (a) Square (b) Triangle (c) Cube (d) Rectangle

6. In a certain Code HAND is written as SZMW, then what will be the code of MILK?
 (a) NROP (b) NOPR (c) NORP (d) RNOP
7. If NAGPUR is written as GPAUNR, then how STRONG is written in that code?
 (a) ROTSGN (b) ROTNSG (c) ROTNGS (d) RTONGS
8. In a coding language STOVE is written as FNBLK, then how will VOTES be coded in that language?
 (a) LBKNF (b) LBNKF (c) LNBKF (d) None of these
9. In a certain code FILE is coded as 7456, MAN is coded as 823, then how will FEMALE be coded in that code?
 (a) 785256 (b) 785265 (c) 758265 (d) 758526
10. Find the next term in the following series-
 40320, 5760, 960, 192, 48, ?
 (a) 14 (b) 16 (c) 18 (d) 22
11. Find the next term in the following series-
 125, 138, 151, 164, 177, ?
 (a) 190 (b) 191 (c) 192 (d) 193
12. Find the Missing number.

16	32	27
12	11	16
8	4	9
24	88	?

- (a) 48 (b) 64 (c) 52 (d) 62
13. Father's age is equal to the sum of the ages of his five children. After 15 years, his age will be only half of the sum of the children's ages. How old is the father?
 (a) 42 years (b) 43 years (c) 44 years (d) 45 years

HIGHER ORDER THINKING SKILLS QUESTIONS

14. What is the value of :

$$\sqrt{\frac{1.21 \times 0.9}{1.1 \times 0.11}} ?$$

- (a) 2 (b) 3 (c) 9 (d) 11
15. A mobile set is sold for Rs. 1498 and the seller gains 7% on it. What is the Cost price?
 (a) Rs. 1200 (b) Rs. 1400 (c) Rs. 1440 (d) Rs. 1460
16. The diagonal of a square is $4\sqrt{2}$ m. What is its perimeter?
 (a) 12 m (b) 16 m (c) 24 m (d) None of these

Project/Activity

- Write about the Contribution of any three Great Indian Mathematicians in 150-200 words.
- Write and learn Squares on Numbers from 1 to 30 and Cubes of Numbers From 1 to 20.
- Learn and Write Multiplication Tables 2 to 20.

SCIENCE

1. Prepare a report on the precautions that should be taken while using LPG in kitchen.
2. Obtain information about the different Indian satellites and their significant uses.
3. To write the following activities as per the given headings: Aim, Procedure, Observation, Conclusion, and Diagram
 - a) Liquid pressure increases with depth. (Pg-56)
 - b) Liquid pressure is same at same horizontal level.
4. Collect information about migratory birds. Reasons for their migration and navigate with their examples.
5. Microorganisms: Friends or Foes
Write in your own words about useful and harmful aspects of Microorganisms.
(Refer Chapter-2 of The Living World)
6. Learn and write information about some common human, animal and plant diseases and how they are transmitted as given in tables. (from Pg:20,21,22)

SOCIAL SCIENCE

- Watch the movie Mangal Pandey and enlist the causes of First war of Independence (refer chapter- 11).
- **Map Skills:-** Practice 5 maps(World Physical)each on the topics given below:-
 - A. Distribution of Rainfall (Chapter 2)
 - B. Distribution of Forests (Chapter 3)
- **Learn the Following Questions and Write them in your S.St notebook**
 - Q1. Difference between Tropical Evergreen and Tropical Deciduous Forest.
 - Q2. Write five Features of Tropical Softwood Forest.
 - Q3. Write five steps to conserve Wildlife in India.
 - Q4. Write five features of the Mediterranean Forests.
 - Q5. Explain four provisions of Secularism in India.
 - Q6. "The Constitution is Rigid as well As Flexible" Explain
 - Q7. "India has single unified and integrated judicial system." Explain
 - Q8. Write a note on Directive Principles.
 - Q9. India is a sovereign, socialist, secular, democratic, republic. Explain
 - Q10. Explain any five features of Indian Constitution.
 - Q11. Write any five features of Parliamentary form of government.
 - Q12. What are fundamental Rights? What is their importance? What safeguards have been provided in the constitution against the violation of Fundamental Rights?
 - Q13. Under which amendment fundamental duties were added to our constitution? Enlist any five fundamental duties.
 - Q14. How does Secularism works in India?
 - Q15. When was the word secular introduced in our constitution? What was the purpose behind it?

- Make the comparative chart on the various wars occurred in order to establish British Rule in India and learn it

(The sample for the same is given Below)

Wars	Period	Fought Between	Reason	Course	Result
1 st Carnatic War					
2 nd Carnatic War					
3 rd Carnatic War					
1 st Anglo Maratha War					
2 nd Anglo Maratha War					
3 rd Anglo Maratha War					
1 st Anglo Mysore War					
2 nd Anglo Mysore War					
3 rd Anglo Mysore War					
4 th Anglo Mysore War					
Battle of Buxar					
Battle of Panipat					
1 st Anglo Sikh War					
2 nd Anglo Sikh War					

- Collect rain water in holidays and use it for various purposes like gardening, washing, cleaning etc. and create the awareness for the same among the masses.
- Read the chapter 10 and frame questions on the same.

ENGLISH

1. Solve the following assignment from BBC.

- Sec-A : Pg 11 to 18
- Informal Letter : Pg 63, 65,67,69,71
- Email : Pg 77, 78
- Gap Filling : Pg 165, 166
- Editing : Pg 170
- Omission : Pg 173
- Rearrangement : Pg 176

2. English Practice Book

Ch-2 Narration

3. Read the literature units ‘3 Questions’, ‘The fun they had’, Poems - ‘Granny’s Tree Climbing’ & ‘My Mother’ and revise questions and answers.
4. Watch & enjoy the movie “Everest” & write the review of the same. Your review should include the following details (to be submitted on colourful Sheet)
 - a) Its title, Director’s & Writer’s Name
 - b) The best thing about the movie
 - c) Character Sketch of your favourite character
 - d) Why people should watch it?
 - e) What message you get from the movie?

5. SPEAKING SKILL: Declamation Contest

Prepare a short speech (2-3 mins) on the following topics for Inter Class Declamation Competition to be held after summer vacation.

- Save your environment, Save yourself (Roll No: 1-10)
- Nature: A Great Teacher (Roll No. 11-20)
- The self-centred Generation (Roll No. 21-30)
- My idea of a perfect vacation for teenagers adults (Roll No. 31-40)
- Now and Then – The Inevitable Generation Gap (Roll No. 41 onwards)

HINDI

- ई-मैग्ज़िन के लिए माँ/परिवार पर आधारित कविता, कहानी,एकांकी,लेख आदि रचनात्मक सामग्री लाएँ।
- पाठ्यक्रम में संकलित निम्नलिखित विषयों पर चार्ट बनाएँ—
विशेषण— रोल न0 1 से 10 अभ्यास सागर पाठ संख्या—9
समास— रोल न0 11 से 20 अभ्यास सागर पाठ संख्या—11 व 15
संधि—रोल न0 21 से 30 अभ्यास सागर पाठ संख्या—10
अलंकार— रोल न0— 31 से आगे 4 व 8
- निबंध याद करें— आदर्श व्यक्ति जैसे कल्पना चावला,महात्मा गाँधी कैसी हो शिक्षा, यदि मैं पक्षी होता।
- ग्रीष्मावकाश में हुए किसी भी दिन के अपने अनुभव को डायरी के रूप में लिखें।
- अप्रैल व मई मास में करवाए गए पाठ्यक्रम की दोहराई करें।
अभ्यास सागर में से पृष्ठ संख्या— 16 प्रश्न संख्या—18, पृष्ठ संख्या— 24 प्रश्न संख्या—16,
पृष्ठ संख्या— 53 प्रश्न संख्या—14, पृष्ठ संख्या— 70 प्रश्न संख्या—18, पृष्ठ संख्या—78
प्रश्न संख्या—1

निम्नलिखित काव्यांश को पढ़कर प्रश्नों के उत्तर दीजिए –

बड़े घरों के श्वान पालतू
बाथरूम में पानी की हल्की ठंडक में
नैन मूँदकर लेट गए थे ।
कोई बाहर नहीं निकलता
साँझ समय तक
थप्पड़ खाने गर्म हवा के संध्या की भी चहल पहल ओढ़े थी
गहरे सूने रंग की चादर गर्मी के मौसम में ।

- प्रस्तुत कविता और कवि का नाम लिखिए ।
- कुत्ते बाथरूम में किस तरह आनंद उठा रहे थे ?
- बड़े घरों के लोग कब तक घर से नहीं निकले हैं ?
- 'संध्या की भी चहल-पहल ओढ़े थी गहरे सूने रंग की चादर' का आशय स्पष्ट कीजिए ।
- गर्म हवा कब तक चलती रहती थी ?

PUNJABI

1. ਪਾਠ ਦਾਤੇ ਦੇ ਅਧਾਰ ਤੇ ਜੇ ਤੁਹਾਨੂੰ ਦਾਤਾ ਬਣਾ ਦਿੱਤਾ ਜਾਵੇ ਤਾਂ ਤੁਸੀਂ ਆਪਣੇ ਮਾਂ-ਬਾਪ ਦੀਆਂ ਕਿਹੜੀਆਂ ਇੱਛਾਵਾਂ ਪੂਰੀਆਂ ਕਰੋਗੇ।
2. ਵਿਦਿਆਰਥੀ ਆਪਣੇ ਆਲੇ-ਦੁਆਲੇ ਦੇ ਲੋਕਾਂ ਵਲੋਂ ਵਰਤੇ ਗਏ ਅਜਿਹੇ ਵਾਕ ਲਿਖਣ ਜਿਹਨਾਂ ਵਿੱਚ ਭਾਸ਼ਾ ਦੇ ਗਣਿਤ ਦੀ ਵਰਤੋਂ ਕੀਤੀ ਗਈ ਹੋਵੇ।
3. ਨਾਨਕੇ ਤੇ ਦਾਦਕੇ ਪਰਿਵਾਰ ਨੂੰ ਦਰਸਾਉਂਦੀ ਹੋਈ ਰਿਸ਼ਤੇਦਾਰਾਂ ਬਾਰੇ ਇੱਕ ਸੂਚੀ ਤਿਆਰ ਕਰੋ:
ਨਾਨਕਾ ਪਰਿਵਾਰ
ਦਾਦਕਾ ਪਰਿਵਾਰ

4. ਪੰਜ ਨਵੇਂ ਅਖਾਣ ਲਿਖ ਕੇ ਵਾਕ ਬਣਾਉ ਜਿਹਨਾਂ ਨੂੰ ਤੁਸੀਂ ਪਹਿਲਾ ਕਦੇ ਨਾ ਸੁਣਿਆ ਹੋਵੇ।
5. ਸ਼ਹੀਦ ਕਰਤਾਰ ਸਿੰਘ ਸਰਾਭਾ ਅਤੇ ਮੇਰਾ ਪੰਜਾਬ ਲੇਖ ਯਾਦ ਕਰੋ।
6. ਆਪਣੇ ਸਕੂਲ ਦੇ ਪ੍ਰਿੰਸੀਪਲ ਨੂੰ ਸੈਕਸ਼ਨ ਬਦਲਣ ਲਈ ਅਤੇ ਆਪਣੇ ਸਕੂਲ ਦੇ ਮੁੱਖ ਅਧਿਆਪਕ ਨੂੰ ਸਕੂਲ ਬੱਸ ਡਰਾਈਵਰ ਵਲੋਂ ਵਰਤੀ ਜਾਂਦੀ ਲਾਪ੍ਰਵਾਹੀ ਲਈ ਪੱਤਰ ਯਾਦ ਕਰੋ।
7. ਅੱਜਕੱਲ੍ਹ ਲੋਕ-ਖੇਡਾਂ ਨੂੰ ਖੇਡਣ ਦਾ ਰਿਵਾਜ ਕਿਉਂ ਘੱਟ ਰਿਹਾ ਹੈ? ਕਿਸੇ ਪੰਜ ਲੋਕ ਖੇਡਾਂ ਬਾਰੇ ਜਾਣਕਾਰੀ ਇੱਕਠੀ ਕਰਕੇ ਲਿਖੋ।
8. ਪਾਠ-12 ਕਵਿਤਾ ਸ਼ਹੀਦੀ ਸੰਦੇਸ਼' ਯਾਦ ਕਰੋ।
9. ਮੁਹਾਵਰੇ 1-25 ਤਕ ਅਰਥਾਂ ਸਹਿਤ ਯਾਦ ਕਰੋ।

ART

Pen Stand (from best out of waste/popsicles sticks): Pictures for reference to complete the project



Dear Students,

- This summer project is given to you, will be displayed in upcoming Art Exhibition in month of July. These pen stands can be made out from plastic bottles of cold drinks or ice-cream sticks or empty boxes. Kindly submit the complete project by 15th July, 2017.
- This year Art Department has announced the theme NATURE for upcoming ART exhibition in the month of July, 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 without framing them.

Good Luck!