# KKCS
## SINGHEWALA
## Session 2024-25
## GRADE -VII

Students Name ................................................................................ Section ................................

**Dear Students,**

We are sure that you will enjoy your summer vacation with members of the family and friends. Some of you must be planning to travel or to visit your relatives and grandparents. It will be great if you spend some time with them and gift them something that is handmade and designed by you. This will surely make them feel special. If possible, join some activity classes or learn something new during your holidays. Spend some time reading storybooks, newspapers, watching interesting and informative programmes. Help your parents by cleaning up your room, arranging things kept in the cupboard and donating things that you do not need to a NGO.

We are attaching a few interesting activities and assignments which you are expected to do during the break. This will also help you avoid the noon time heat. Write neatly and present your work well. Please complete the work and bring it to school on **Monday, July 1, 2024**. Have lots of fun and take good care of yourself.

**Six things to remember during summer vacation:**

While your parents and we want you to have fun during summer break, we also want you to be **thinkers and doers**. The following guidelines will help you to be both, while enjoying your freedom at the same time.

1. **Find** other ways of entertaining yourself than phones and TV, learn a musical instrument like guitar or keyboard, learn a hobby like origami or magic tricks, read novels, learn cooking, etc.

2. **For every hour of electronics, you give one hour of play time .**

3. **If you are bored, help out at home.** This will also earn brownie points with your parents and help you realize the importance of organization and cleanliness.

4. **Reading is a must.** Reading nurtures your soul. When you visit malls, make sure you drop in at a bookstore and pick books that interest you. Otherwise, read on Kindle.

5. **There is no sleeping all day and staying up all night:** It is unhealthy and it will be hard for you to readjust to regular school schedule at the end of the vacations.

6. **Make sure you make time for your parents:** Watch a movie, go out on dinners with your family and spend more time with your family than with your friends.



Helpline: Coordinator's Helpline: Ms MONIKA SHARMA - 9467010403
(Between 10 am to 12.00 noon only to avoid any inconvenience)
For any suggestions & feedback please mail us at lteskks@gail.com

# Do's

- Keep yourself hydrated- Drink lots of water
- Use sunscreen (with minimum SPF-15) and apply it at least 20 minutes prior to sun exposure.
- Eat small, light and frequent meals. Eat lots of vegetables and seasonal fruits.
- Take shower twice a day
- Wear light coloured fabrics and full sleeved cotton clothes.
- Discover your creativity through Research work sheets
- Stay Indoor and explore various games
- Eat fresh homemade food

# Don'ts

- Avoid eating leftovers
- Avoid fast food and artificial sugar added drinks
- Avoid going outdoor at noon
- Do not waste all your time to play video games and/or mobile games
- Do not oversleep, and do not let laziness take you over.

Happy SUMMER HOLIDAY

# PROJECT WORK

| Heading | Detail |
|---|---|
| Title of Project | Sustainable Energy – The need of the hour! |
| Theme of Project | Sustainable Energy is a cleaner option to meet human needs |
| Objective | To create awareness among students about the various types of sustainable energy. |
| Leaning outcome | **Students will be able to:**<br>❖ Appreciate the importance of using sustainable energy.<br>❖ Differentiate between sustainable and renewable sources of energy.<br>❖ Reason out the necessity of using sustainable energy for a cleaner earth. |
| Guide lines | Prepare a project on 15 A$_4$ sheets<br>Project must be hand written and use as far as possible self made drawings, models<br>Project be prepared in a spiral binding, for its first and last page use handmade paper instead of plastic covers.<br>Project be Prepared and presented as under<br>**Page- 1** Cover Page showing project title, student information, school  and year.<br>**Page-2** Contents: List of contents with page numbers.<br>**Page- 3** Project Overview: Purpose, Aim, Methodology and experiences while doing the project.<br>**Page- 4 to Page- 12** Subject Matter: Chapters with relevant headings and illustrations.<br>**Page -13 –** Suggestions and recommendations<br>**Page-14** Referencing, Citations and Bibliography: It should have the title, pages referred, author, publisher, year of publication and if a website the name of the website with the specific website link which has been used.<br>**Page – 15** Feedback form<br>All the photographs & sketches should be labelled and acknowledged.<br>**Complete the data collected and present the project properly. Do not forget to give conclusion / observations / finding recommendation / reflections at the end along with proper citations and references.** |

| Subject wise Task | |
|---|---|
| Computer Science | Design a beautiful cover page on MS Word and prepare a Power Point presentation of the project in about 10-15 slides, email the same on msshikha7@gmail.com |
| General Science | Illustrate the positive impacts of sustainable energy on our environment by preparing a chart or by creating a 3D model for the science fair |
| Social Science | Give a brief account of any five cities where different forms of sustainable energy are predominantly used. Discuss the social factors influencing the implementation of sustainable energy. |
| Mathematics | Represent any five countries of the world which are leading the way in the switch to renewable energy, using a bar graph. |
| English | Create a comic strip of five-six slides depicting the positive effect of using sustainable energy |
| Hindi | ऊर्जा' के किन्ही दो स्त्रोतों का चित्र सहित वर्णन कीजिए। |
| Punjabi | ਆਪਣੇ ਦੇਸ਼ ਵਿਚ "Sustainable Energy ਦੇ ਵਿਸਤਾਰ" ਬਾਰੇ ਡਾਟਾ ਇਕੱਠਾ ਕਰੋ । |

**NOTE – The entire home work done must be submitted in the shape of spiral bound project for Summer Home work**

Prepare your home work Project book with coloured sheets and keep different colours for different subjects

| English – Pink | Social Sc. -Light Grey | Science – Light Green |
|---|---|---|
| Hindi-Sky Blue | Comp. Sc- Light Yellow | Punjabi- Light Purple |
| | Art - White | |

# VACATION TASKS

Here we have devised some subject wise task for you , which is not only interesting to attempt , but also enhance your subject understanding

TASK-I- **UOI** – Here are some of the adventurous sports. Write their definitions from the dictionary or internet. Also paste pictures

i) BASE JUMPING

ii) WIND SURFING

iii) BUNGEE JUMPING

iv) ABSEILING

v) PARKOUR

vi) SCUBA DIVING

TASK-II- **English** – Your friend is shifting to your city next week. He wants to get admission in your school. Write a letter to your friend telling him about your wonderful school.

TASK-III- **English** –Reading storybooks daily is a good habit. Find out at least 20 idioms and write their meanings.

TASK-IV- **English–** Watch an interesting children's movie (Sound of Music/Matilda/Percy Jackson series/science fiction movies) and write a movie review in about 100 words.

**OR**

Visit any two historical Gurudwaras. Click some photographs and paste them. Write a paragraph on the importance of both the Gurudwaras and how they came into existence.

TASK-V-**Hindi** – अपने नजदीक के हैल्थ सैंटर (स्वास्थय केन्द्र) का दौरा करके वहाँ की व्यवस्था पर एक लेख लिखो ।

TASK-VI-**Punjabi** ਕਿਸੇ ਐਤਵਾਰ ਦੇ ਪੰਜਾਬੀ ਅਖਬਾਰ ਵਿੱਚ0ਂ ਦ0 ਕਵਿਤਾਵਾਂ ਅਤੇ ਦ0 ਕਹਾਣੀਆਂ ਦੀ ਕਟਿੰਗ, ਕਾਪੀ ਤੇ ਲਗਾਉਣੀ ਹੈ ਤੇ ਪੰਜਾਬੀ ਅਖਬਾਰ ਰ0ਜ਼ ਪੜ੍ਹਨੀ ਹੈ: ਜਿਵੇ ਰ0ਜ਼ਾਨਾ ਸਪ0ਕਸਮੈਨ, ਅਜੀਤ ਦਾ ਟ੍ਰਿਬਿਉਨ ।

TASK-VII- **Maths –** Attempt the attached worksheets as extra study material from Chapters –1 , 2 and 3

TASK-VIII-**English** – **The Important Apostrophe:**

**Study Case -1 – You're and Your–** The words your and you're are often confused. They sound the same, but they have entirely different meanings. Your is possessive, showing something that belongs to the person you are speaking to. You're is a contraction of the words you are . The apostrophe shows that the letter 'a' is missing.

**Study Case -2 –Their, They're, and There** –The words their, they're, and there are often confused. They sound the same, but they have entirely  different meanings.

Their is possessive, showing something that belongs a group of people: they. They're is a contraction of the words they are. The apostrophe shows that the letter 'a' is missing.  There is an adverb that shows a location or a pronoun that works at the beginning of a phrase or sentence.

**Study Case -3- It's and Its**  The words its and it's are often confused. They sound the same, but they have entirely different  meanings. Its is possessive, showing something that belongs, a thing. It's is a contraction of the  words it is or it has. The apostrophe shows that the letter 'i' is missing or the letters ''as'' are missing.

**Now attempt attached sheet with your knowledge gained so far**

TASK-X **-General Science**

Collect pictures of atleast three autotrophs, heterotrophs, saprotrophs, parasites and insectivorous plants. Paste them in scrapbook, write their names and some interesting facts about them. (You can take the help of internet and old books).

TASK-X **- General Science**

Choose one animal living on land, one in water and one in air. Collect information on how they feed and digest food.

TASK-X **- Social Science -**Draw a labelled diagram of  internal structure of earth.

TASK-X **- Social Science-**Prepare a poster on A$_4$ size paper sheet showing the major rulers of Delhi Sultanate between 1206-1526 with their periods against each

TASK-X **- Social  Science-**Prepare a presentation on A4 size paper showing the structure of Health Services in India and compare the two one in Govt. Sector and another in Private sector

## CREATIVITY

16$^{th}$ is Father's Day –Prepare a Greeting for your Dad

**A, In the blanks below, write the correct word: your or you're.**

1. _____ mother makes wonderful cupcakes.

2. If _____ friendly, you'll have lots of friends.

3. What time is _____ practice?

4. _____ a great dancer!

5. Rupert thinks _____ the right person for the team.

6. Please turn _____ phone off!

7. Call me if _____ going to the party.

8. Please tell me _____ ideas on the project

**B. In the blanks below, write the correct word: their, they're or there**

1. The family likes to eat _____ dinner early.

2. Do you know if _____ in the cafeteria?

3. If you go to New York City, you will see many tall buildings _____ .

4. Let me know when _____ ready to leave.

5. Everyone should be on _____ best behaviour.

6. _____ the best neighbours in the world.

7. They will tell you if _____ are pieces missing.

8. My dogs often sleep in _____ doghouse.

**C. In the blanks below, write the correct word: it's or its**

1. I love to watch my dog chase _____ tail.

2. Do you know if _____ going to rain?

3. _____ song finished, the bird flew away.

4. _____ my birthday!

5. When _____ your turn, throw Micky the ball.

6. Put the phone back in _____ case.

7. Will the cow find _____ way home?

8. I looked at the movie guide, and _____ already started.

## Chapter 1 : Integers

**WORKSHEET**

### 1. Fill in the blanks :

(i) The difference between the smallest positive integer and the greatest negative integer is ........................... .

(ii) ........................... $\div 256 = -3$.

(iii) The product of a positive integer and a negative integer is a ........................... integer.

(iv) $15625 \times (-2) +$ ........................... $\times 98 = (-15625) \times (2 + 98)$.

(v) When zero is divided by a non-zero integer, the quotient is ........................... .

(vi) The successor of $(-99)$ is ........................... .

(vii) Every positive integer is ........................... than 0 and every negative integer is ........................... than 0.

(viii) The additive inverse of $-1$ is ........................... .

(ix) On subtracting $-9$ from 0, we get ........................... .

(x) The product of 7 negative integers and 3 negative integers is a ........................... .

### 2. State whether the following statements are 'true' or 'false' :

(i) The number $-21$ is to the left of $-20$ on the number line. ☐

(ii) Zero is a positive integer. ☐

(iii) $7 - (-3) = 7 + 3$. ☐

(iv) If the number of negative integers being multiplied is even, the product is positive. ☐

(v) $(96 \div 4) \div 2 \neq 96 \div (4 \div 2)$. ☐

(vi) The integer which is its own additive inverse is 0. ☐

(vii) If an integer is divided by 1, the result is the integer itself. ☐

(viii) Division of integers is commutative. ☐

(ix) $(-7) \times \{6 \times (-5)\} = \{(-7) \times 6\} \times (-5)$. ☐

(x) If $a$, $b$, and $c$ are any three integers, then $a \times (b + c) = a \times b + a \times c$. ☐

## Chapter 2 : Fractions

**WORKSHEET**

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1. **Fill in the blanks :**

    (*i*) The product of a fraction and its reciprocal is ............................. .

    (*ii*) The reciprocal of a proper fraction is a/an ............................ fraction.

    (*iii*) To divide a fraction by another fraction, we multiply the first fraction by the .......................... of the second fraction.

    (*iv*) $\dfrac{4}{5} \times \dfrac{5}{16} \times \dfrac{4}{7} \times 0 \times \dfrac{7}{9} =$ .......................... .

    (*v*) 7 times $\dfrac{1}{7}$ is ........................... .

    (*vi*) If $\dfrac{a}{b}$ is a non-zero fraction, then its reciprocal is ........................... .

    (*vii*) $\dfrac{1}{5}$ of a year is ........................... .

    (*viii*) $4\dfrac{1}{3} + 2\dfrac{3}{4} - 4\dfrac{1}{6} =$ .......................... .

    (*ix*) If $\dfrac{a}{b} > \dfrac{c}{d}$    $ad \; \boxed{\phantom{x}} \; bc.$

    (*x*) A fraction $\dfrac{a}{b}$ is said to be in lowest terms, if H.C.F. of $a$ and $b$ is ........................... .

2. **State whether the following statements are 'true' or 'false' :**

    (*i*) The reciprocal of a mixed fraction is also a mixed fraction.    $\square$

    (*ii*) When two proper fractions are multiplied, the value of their product is less than each of the two fractions.    $\square$

    (*iii*) $\dfrac{11}{19}$ of 361 is 211.    $\square$

    (*iv*) Product of two fractions $= \dfrac{\text{Product of their numerators}}{\text{Product of their denominators}}$    $\square$

    (*v*) $\dfrac{11}{13}$    0 is not defined.    $\square$

    (*vi*) A mixed fraction = whole number + a fraction.    $\square$

    (*vii*) $\left( \dfrac{a}{b} \div \dfrac{c}{d} \right)$    $\dfrac{a}{b} \times \dfrac{d}{c}.$    $\square$

## Chapter 3 : Decimals

1. **Fill in the blanks :**

   (*i*) The number of digits contained in the decimal part of a decimal number is called ............................ .

   (*ii*) ₹ 74.40 + ₹ 19.12 + ₹ 5.03 = ₹ ............................ .

   (*iii*) 2.5 km is equal to ............................ hectometre.

   (*iv*) If 4225 ÷ 13 = 325, then 4.225 ÷ 1.3 = ............................ .

   (*v*) On multiplying a decimal by 1000, the decimal point is shifted to the ............................ by places.

   (*vi*) 0.006 can be written as in fraction form ............................ .

   (*vii*) 425 cm = ............................ mm = ............................ m = ............................ km.

   (*viii*) 014.20 ☐ 14.200.

   (*ix*) 1.225 × ............................ = 15.00625.

   (*x*) The average of 2.25, 1.225, 4.25 is ............................ .

2. **Match the following :**

| Column A | Column B |
|---|---|
| (i) 0.3 × (6.4 – 6.04) × 1.2 | (a) 13.5 kg |
| (ii) 5 kg 6 gm | (b) 0.1296 |
| (iii) 1.1 × 0.01 × 0.1 | (c) 1.110 |
| (iv) 30.94 ÷ 27.87 | (d) 0.0011 |
| (v) (42.3 – 28.8) kg | (e) 5.006 kg |
| (vi) 0.09555 ÷ 2.73 | (f) 0.089 |
| (vii) 100.07 – 4.12 + 5.192 | (g) 0.90 |
| (viii) 0.407 × 4.36 × 0.05 | (h) 4.5 |
| (ix) when 0.99 is divided by 1.1, the quotient $t$ is | (i) 0.035 |
| (x) $0.15 \div \dfrac{0.5}{15}$ | (j) 101.142 |