श्री Venkateshwar International School
Dwarka, Sector 18, New Delhi-78

Summer Vacation Holiday Homework (2020-2021)
Class – VII

Blackboard, chalk, pen and papers,
These have been our learning shapers;
Test and teacher, homework and book,
That's how my classroom looked

Suddenly there's a change in the learning's way,
Podcasts and PPT now hold the sway;
Imparting knowledge in a manner new,
Unknown realms for me and you.

Technology is now in education,
A tool in building new generation;
Where we are having a new digital world of information,
Learning is more fun, easy and full of inspiration.

Covid 19 has disrupted the normal schooling experience of every child however learning has never been stopped under the ambient of Sri VIS.

The entire faculty has put their heart and soul so that the innocent and creative psyche of our children is not overshadowed by the gloomy scenario spread due to the outbreak of Covid 19 pandemic.

The students have also explored new avenues of learning and are enjoying the experience of online classes. This is the time to channelize the energy of our learners towards creative endeavours.

Like every year, this year also we have brought forth innovative activities and projects to indulge young minds.

Let's break the monotony of the humdrum of everyday life. Let's pause and focus on ourselves, our family and experience togetherness.

This time can be utilized:

● to enhance good reading habit.
● to hone their analytical and scientific temperament.
● to help the family by participating in household chores: Let them water the plant- and they will learn the names of evergreen plants; let them help in making the bed – and they will learn the values of neatness and tidiness. Let them do fireless cooking- and they will learn names of different ingredients as well become self- sufficient.
● Control Screen Time: Do not let children spend too much time playing video games, instead encourage them to take up creative pursuits. Their lives within each one of them a dancer, a singer, an artist, a chef. The possibilities are endless...

Please make short videos of your ward doing these activities and mail them to school id and your child's teacher. Our STUDENTS are SPECIAL!!

Please find attached some engaging and useful activities which the children are supposed to do during this break. Please guide the children to do their work neatly and finish on time.

WISHING EVERYONE GOOD HEALTH AND HAPPINESS!!!

ENGLISH

1. Every cloud has a silver lining. The lockdown has taught us many things. We have understood that hope is the only thing stronger than fear. Each new day has taught us that sunrise is not locked down, prayers, meditation and creativity are not locked down. Time has shown us the opportunities to follow our heart and pursue our hobbies. Each one of us is trying to cook, draw, read or write. Online classes have shown us that learning can happen anywhere, anytime. The twitter of birds and the pitter - patter of raindrops help us enjoy the symphony of nature. Spending time with loved ones is a blessing in disguise. Pen down all your positive experiences in the form of Covid Diaries.

   Capture these moments in the form of Diary Entry. Write on an A-4 sized sheet or any other material available to you. Pour your heart out and share your feelings with your dear diary.

2. Nature is full of colour, sound and wonder. The dawn chorus of chirping birds and the sound of the rustling leaves on a breezy night unveil the marvels of nature. There must be natural sounds around you like the purring of cats, buzzing of bees even the chanting of hymns during the family prayer. Listen to these sounds, record them and feel the calmness. Thereafter do the following:

   a) Write a beautiful poem on your interaction with nature.
   b) Choose any 5 vocabulary words or idioms which describe nature and its glory.
      Examples of idioms- Olive branch - a gesture of peace
                         A home bird - a person who prefers to spend time at home
      Examples of vocabulary words -   soundscape, chanting, etc.
   c) Frame sentences with them.
   d) Draw a picture to describe your words or idioms

   3. "All the world's a stage, and all the men and women merely players. They have their exits and entrances." Welcome to the wonder and magic of the world of Shakespeare! Grab the book 'Five Tales of Shakespeare'. Read the play allotted to you as per your roll number. Choose your favourite character from the play and write a character sketch on an A-4 sized sheet or any other material available. You may sketch your favourite character and add humour to its role by adding idioms from Chapter 10 of the book – 'Sparkle with Idiomatic Expressions Volume II' to make your work look attractive.

   - The Merchant of Venice: Roll numbers 1-8
   - Macbeth: Roll numbers 9-16
   - Twelfth Night; or, What You Will: Roll numbers17-24
   - Romeo and Juliet: Roll numbers 25-32
   - A Midsummer Night's Dream: Roll numbers 33-40
   -

हिंदी

1. देशभक्ति / देशप्रेम की भावना से संबंधित छोटी–सी स्वरचित कविता ए–4 शीट पर लिखिए।

2. अपने बचपन का चित्र ए–4 शीट पर चिपकाकर अपने बचपन की कोई प्यारी–सी शरारत के बारे में आठ–दस पंक्तियाँ लिखिए।

MATHEMATICS

Dear Students,

- **Do the attached Math Holidays Homework worksheets and paste them in your worksheet notebook.**

- **Kindly do the following activities on an A4/A3 size sheet using the paper cutting method:**
    1. The Angle Sum Property of a Triangle: The sum of all interior angles of a triangle is always equal to 180°.

    - You may refer to the following YouTube link to make your understanding better:
    https://www.youtube.com/watch?v=twdTc0kDej8

    2. Pythagoras Theorem: The square of the Hypotenuse is equal to the sum of squares of the other two sides.

    - You may refer to the following YouTube link to make your understanding better:
     https://www.youtube.com/watch?v=uaj0XcLtN5c

SOCIAL SCIENCE

1) Paste/draw the pictures of different types of historical sources (like Coins, inscriptions, monuments, sculptures, painting, books etc.) from old books and magazines and make a collage in a creative way.

2) CLIMATE ACTION
Project based learning Chapter -1 (Geography Environment)
The climate is ever changing, but in the last 200 years, human behaviour has greatly impacted, even with all the measures taken, it will take decades to rewind global warming so we must be prepared to manage extreme weather and natural disasters. Environmental change is a change or disturbance of the environment most often caused by human influences and natural ecological processes. Attempt **any one** of the following:

i) CARTOON STRIP :
Prepare a cartoon strip showing impact of global warming on earth. Do suggest few solutions also.

ii) BIOGRAPHICAL SKETCH:
On an A4 size sheet present a Biographical sketch on **Afroz Shah**, 'waterman of India' or **Rajendra Singh** an environmentalist to highlight the advantages of his Work.

iii) Self composed poem on Environment.

SCIENCE

LESSON - 9 SOIL

Q1. ACTIVITY 1 (To understand the Physical features of soil).

To compare the properties of the three types of soils

Method: Take equal quantities of sandy, clayey and loamy soils. Moisten them thoroughly with water and do the following activities:

• try to shape the soil into a ball • check whether the soil is sticky • try to squeeze the soil • try to roll the soil into an elongated earthworm-like shape

You will observe the following:

• Sandy soil does not form a ball and falls apart in your hand. It shows that sandy soil cannot retain water.

• Clayey soil becomes sticky and hard to squeeze. It also stains your hands and shines when rubbed. It can form a long ribbon without breaking. It shows that clayey soil can hold water.

• Loamy soil is easy to squeeze. On touching the wet soil, it does not give a feel of silkiness or stickiness. It shows that loamy soil can retain sufficient amount of water.

Q2. ACTIVITY 2: To understand the water holding capacity of Soil.

To examine the water holding capacity of various soils

Method: Take three different bottles and place a funnel in each. Layer the funnels with a muslin cloth. Collect three types of soil (sandy, clayey and loamy). Put sandy soil in a funnel and label the bottle as S. Put clayey soil in one and label it as C. Put loamy soil in the third funnel and label it as L. Pour the same amount of water in the three types of soil. Note the amount and time each takes to collect water in the bottles. Record your observations in the following table.

Fig. 15.14 Water holding capacity of different soils

Water percolation	Sandy	Clayey	Loamy
Amount			
Time			

PERCOLATION RATE = <u>AMOUNT OF WATER (ml)</u>

PERCOLATION TIME (min)

Q3. ABSORPTION CAPACITY: To understand the absorption capacity of Soil.

Take a plastic funnel .Take a filter paper .Weigh 50 g of dry soil. To this start adding drop by drop water, keep pouring till it start dripping

Subtract the amount of water left in the measuring cylinder from the amount you started with.
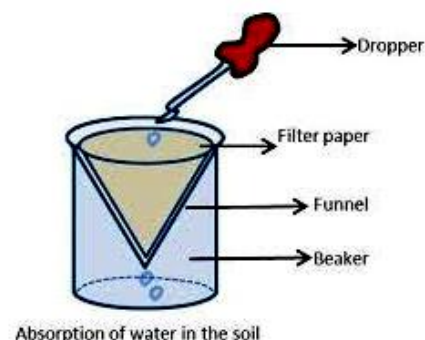
This is the amount of water absorbed by the soil

Weight of soil = 50 g

Initial volume of water = U ml

Final volume water = V ml

Volume absorbed by the soil = (U-V) ml

Percentage of water absorbed = $\frac{(U - V) \, ml}{50}$ x 100

Absorption of water in the soil

After you have understood all the above activities it can be summarised as :

FEATURES	CLAYEY	LOAMY	SANDY
PARTICAL SIZE	LESS THAN 0.002mm	0.002- 0.05mm	0.20 – 2.0 mm
WATER HOLDING CAPACITY	Very large(particle size is very small)	Medium(particle size is intermediate)	Limited(particle size is big)
PERCOLATION RATE	Low	Medium	High
MOISTURE ABSORPTION	High	Medium	Low
CROPS	Paddy (lots of water)	Pulses(drained water)	Cotton

1. Make a STAR shape and write the five features mentioned in the table, make one each for clayey, sandy and loamy soil.(to be done in science notebook). A sample is given below.

2. Activity: To understand the soil profile.

Take some soil in a glass container, add water to the container. The water must be filled till 3/4th of the glass container.

Keep the apparatus untouched for one hour. Now observe the different layers formed. Take a click of this setup. (You can take the printout and paste it in your notebook or draw the set up in the notebook)

Now you have to write about the different layers of the soil (soil profile) in your notebook. You need to make your work innovative and attractive to look at.

संस्कृत

- ए–3 शीट पर 'जल संरक्षण' से संबंधित संस्कृत में दो स्लोगन चित्रात्मक रूप में प्रस्तुत करें।
- गीता के किसी भी अध्याय से कोई पाँच श्लोक याद करें व वीडियो या ऑडियो किसी भी माध्यम द्वारा प्रस्तुतीकरण कर माइक्रोसॉफ्ट टीम्स पर अप्लोड करें।

FRENCH

Q1. Lisez une petite histoire intéressante de Panchtantra et répondez aux questions données ci-dessous.
Read a short and interesting story of Panchtantra (Uploaded on teams app in the HHW folder) and answer the questions given below.

   a) Écrivez les charactères donnés dans l'histoire.
   b) Vous aimez quel charactère le plus ? Pourquoi ?
   c) Donnez le titre de l'histoire.

Q2. Polissez la prononciation et boostez votre vocabulaire franÇais ! Récitez deux virelangues et écrivez sur une feuille d'A4.

   (Polish the pronunciation and boost your French vocabulary. Recite any two tongue twisters in French. Also write them on an A4 size sheet or any similar material available at home.)
   A youtube video on tongue twisters has been shared for reference.

   Suivez le liens pour la reference.

   Le liens : https://www.youtube.com/watch?v=XJN3VtEQ4z0

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SPANISH

Make your own holiday calendar and write a new verb/noun/adjective in it every day that summarizes your day. Paste that calendar in your Spanish notebook.

For example: 01 de Julio de 2020 – Feliz/interesante

GERMAN

- Take the first alphabet of your name and write ten German words starting with this alphabet. Write a story in German using these ten words in approximately 50-60 words.

CHINESE

- Write all Chinese characters of Lesson – 16 and 17 on an A4 size coloured sheet.

JAPANESE

- Write all KATAKANA characters on an A4 size coloured sheet.

VALUE EDUCATION / LIFE SKILLS

Dear children

Reading CLEAR LIGHT is fun to all as well as imbibing values. Read the first three interesting stories and answer the following questions:

Instructions: Complete your given tasks on A-4 size sheet. Make it colourful with your beautiful ideas and enjoy learning.

A. *Enhance your creativity*: Make a poster, representing following values (Interact, sharing, giving, learning, Duty conscious…) with examples.

B. *Decision making skills*: Why do you think that turning negative thinking into positive is important for everybody? How will this approach help you?

C. *Brainstorming*: Give one word for each of the following statements and enhance your vocabulary-

1. …………………… is to follow the rules of life and behave well.
2. …………………… is how one acts and behaves, especially with others.
3. ………………… is to make healthy again.
4. ……………… is to be modest.
5. ………………. is the information and understanding gained from learning.

HOLIDAY HOMEWORK
MATHEMATICS WORKSHEET - 1
CLASS- VII (2020-21)

Name: _____   **Sec:** _____

Q1. Fill in the blanks.
   a) -19 – (- 12) = _____
   b) The sum of angles around a point is _____.
   c) The supplement of 34° is _____.
   d) When we add an integer to its additive inverse, we get _____.
   e) (-125) x (-9) = _____
   f)   (-128) ÷ (-8) = _____
   g) 35 x 10 – 35 x 8 = _____
   h) Multiplicative inverse of (-12) is _____.
   i)   If ∠a + ∠b = 180°, then ∠a and ∠b are said to be _____ angles.
   j)   The angle that is complement of itself is _____.
   k) An angle formed between the North and East direction is _____.
   l)   Supplement of 10° is _____.
   m) Vertically opposite angles are _____ in measure.
   n) A triangle can have _____ obtuse angles.
   o) Is it possible to have a triangle with angles 50°, 40° and 80°? _____
   p) The sum of all the angles of a triangle is _____.
   q) Triangle with two equal sides is an _____ triangle.

Q2. Answer the following questions.
   a) What will be the sign of the product if we multiply together 13 negative and 13 positive integers?
   b) The product of two numbers is 105. If one of them is (-21), what is the other number?
   c) A boy threw a stone 12m high up in the air. It fell and settled down at the bottom of a pond 12m deep. What is the total distance that the stone fell to reach the bottom of the pond?
   d) Is there any integer whose predecessor does not exist?
   e) Which integer is its own multiplicative inverse?
   f)   Find any three integers that add up to -29.
   g) In a $\Delta\,ABC,$ if $\angle A = 70°,\ \angle B = 65°,$ find the measure of ∠C.

Q3. Correct the error in the following statements/solutions and rewrite them.
   a) The supplement of 107° is 63°.
   b) (-25) x (-6) x (-3) = 540
   c) Each angle of an equilateral triangle measures 90°.
   d) Pythagoras theorem is applied in an obtuse angled triangle.
   e) If a side of a triangle is produced, then the exterior angle so formed is equal to the difference of two interior opposite angles.
   f)   The length of two sides of a triangle are12 cm and 15 cm. The third side of this triangle will fall between 22 cm and 3 cm.
   g) It is possible to have a triangle with sides 2.5 cm, 2 cm and 6 cm.

HOLIDAY HOMEWORK
MATHEMATICS WORKSHEET - 2
CLASS- VII (2020-21)

Name: _____   **Sec:** _____

1. Each of the following questions has four options. Choose the correct option.

a) -15 – (-7) =
   (i) -22   (ii) 22   (iii) -8   (iv) None of these.

b) The sum of two integers is 83. If one of them is -49, the other is_____.
   (i) 132   (ii) -132   (iii) 34   (iv) -34

c) (-25) x (-10) + (-25) x (-5) = _____
   (i) -275   (ii) 275   (iii) -375   (iv) 375

d) The value of x in the given figure is _____.
   (i) 30˚   (ii) 40˚
   (iii) 90˚   (iv) None of these.

$3x + 5$ $2x - 25$
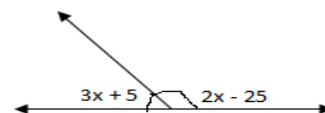
e) An exterior angle is equal to the _____ of the interior opposite angles.
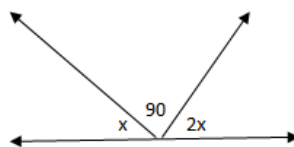   (i) sum   (ii) difference   (iii) product   (iv) none of these

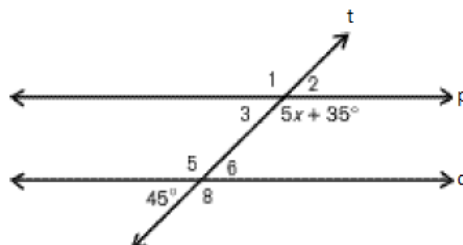**f) The value of x in the given figure is _____.**

90 x $2x$

   (i) 90°   (ii) 45°   (iii) 30°   (iv) none of these

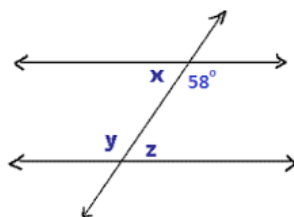**g) In the given figure, p ∥ q, and t is the transversal. Find the value of x.**

t

1 / 2
3 / $5x + 35°$ p

5 / 6
$45°$ / 8   q

(i) 90°   (ii) 45°   (iii) 20°   (iv) none of these

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h) Find the values of x, y and z in the given figure.

(i) x = 122°, y = 58°, z= 122°

(ii) x = 45°, y=122°, z = 58°

(iii) x = 20°, y = 122°, z= 58°
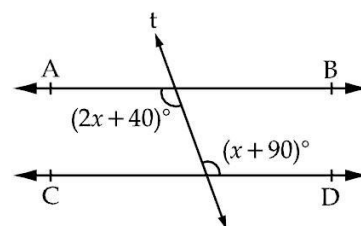
(iv) none of these

i) Find the value of x in the following figure.

(i) 90°

(ii) 45°

(iii) 50°

(iv) none of these

j) In a right triangle, one of the acute angle is 45°. Find the other.
(i) 90°   (ii) 45°   (iii) 20°   (iv) none of these

k) One of the exterior angle of a triangle is 90° and its interior opposite angles are equal to each other, Find the measure of each of these two equal angles of the triangle.
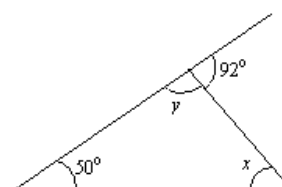(i) 90°   (ii) 45°   (iii) 20°   (iv) none of these

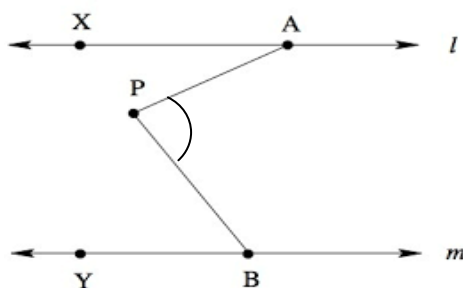**l) In the given figure, find the values of x and y. Show calculations.**

(i) x = 42°, y = 88°   (iii) x = 92°, y = 88°
(ii) x = 52°, y = 88°   (iv) x = 50°, y = 98°

m) In the given figure, it is given that l || m, ∠XAP = 55° and ∠YBP = 45°. Find the measure of ∠APB.
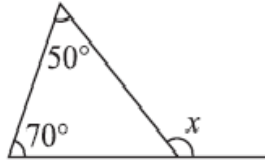

(i) 80°   (ii) 100°   (iii) 120°   (iv) none of these

n) A ladder of length 17 m reaches a window that is 8m above the ground on one side of a street. Find the width of the street.

(i) 15 m   (ii) 17 m   (iii) 12 m   (iv) none of these

o) Find the value of x in the following figure.

(i) 80°   (ii) 100°   (iii) 120°   (iv) none of these

p) The supplement of an angle is 70°, then the complement of that angle is _____.

(i) 32°   (ii) 162°   (iii) 52°   (iv) none of these

q) The angles of a triangle are in the ratio of 1:2:3. Determine the corresponding angles.

(i) 30°, 60°, 45°   (ii) 30°, 60°,90°   (iii) 45°, 60°,45°   (iv) none of these

r) Find the length of the diagonal of a rectangle having sides as 16 cm and 12 cm.

(i) 21 cm   (ii) 20 cm   (iii) 22 cm   (iv) 23 cm

s) A ladder 25 m long, when set against a wall of a house just reaches a window at a height of 24 m. How far is the lower end of the ladder from the base of the wall?

(i) 17 cm   (ii) 11 cm   (iii) 9 cm   (iv) 7 cm