



BLS INTERNATIONAL SCHOOL, HATHRAS
SESSION 2019-2020
SUMMER HOLIDAY HOMEWORK

Dear Parents,

Summer vacations are synonymous with fun, frolic, getting up late in the morning, playing for longer hours with friends, going for picnics, watching fun filled shows on T.V. but there is a lot more you can do to make their vacations more interesting and meaningful. As parents, it is important to invest your time with them now.

- Look into the eyes of your little one and thank God for giving you such wonderful gift. In a few years from now, they will be soaring into greater heights.
- Allow your child to play outdoors, get hurt and get dirty. It's Okay for them to fall down and experience pain once in a while. Comfortable life within the sofa cushions will make your child lazy.
- Take them to relatives and friends to emphasize on how to meet & greet others.
- Allow them to adapt a pet, dog, a cat, a bird or a fish to understand the importance of life.
- Teach them a few folk songs and narrate stories or share your experiences which have some learning outcomes.
- Get some story books with colorful pictures and drawing materials for your kids.
- Keep your children away from TV, Mobile Phones, Computers and other electronic gadgets; they have their whole life for that.
- Avoid giving chocolates, jellies, cream cakes, chips, aerated drinks and too many bakery products like puffs and fried items like samosas.
- Encourage your child to cultivate the reading and writing habits.
- Converse with your child preferably in English to enhance communication skills.
- Assist your ward to complete the given home task before time.(H W enclosed)
- Submit Holiday Homework on the day the school reopens i.e. 1st July 2019.
- Subject Enrichment activity of 5 marks will be evaluated on the basis of the given Holiday Homework.
- For Classes IX to XII students must utilize this period to accomplish their task of revision, project file and practical file along with given assignment and preparation for upcoming tests.

Hope you return rejuvenated and energetic on 1st July 2019 at BLS.

Principal



B.L.S. INTERNATIONAL SCHOOL, HATHRAS

SESSION: 2019-20

HOLIDAY HOMEWORK

CLASS: IX

ENGLISH

Q1. You are Rohan Singh, a member of an N.G.O. that works for the conservation of natural resources. It puts a check on unnecessary usage of resources by the people. Being a member of it you have found that people are very careless and biased in using the resources. Write an **article** in 200 words on A4 white plain sheet to highlight the problem and creating the awareness to take some strict actions against those who do this misuse.

Q2. In your summer vacation read the novel 'Gulliver Travels' or 'Three Men in a Boat' to develop your reading interest and habit. And submit the **review** of any one of the novel on A4 white sheet in 200 words minimum.

Q3. Make a collection of 15 poetic devices like: Simile, Metaphor, Personification, Hyperbole, Pun, Refrain, Alliteration, Oxymoron, Transferred Epithet, Onomatopoeia, Irony, Imagery, Climax, Litotes, and Paradox. Write down them in your **class notebooks**. Explain each one of them with three examples at least.

HINDI

- 1 बीता हुआ समय कभी वापस नहीं आता विषय पर छात्र व शिक्षक के बीच होने वाला संवाद लिखिए ।
- 2 "अतिथि देवो भवः उक्ति की व्याख्या करके आधुनिक युग के सदर्भ में इसका आकलन कीजिए ।
- 3 परीक्षा में प्रथम श्रेणी से उत्तीर्ण होने पर पिता को सूचित करते हुए पत्र लिखिए ।

SOCIAL SCIENCE

1. Imagine yourself to be one of the women in Fig 13. Formulate a response to the arguments put forward by Chaumette (Source G) Page 20 History

2. Compare the manifesto drafted by Olympe de Gouges(Source F) with the Declaration of the Rights of Man and Citizen (Source C). Page 20 History

I.T.

- Create a slide show on the topic, "You are What you eat" by using MS Power point.
- Do Qs mentioned in your textbook page nos. 438 to -440 on computer and print on A4 sheets.

Dance: Write about your favourite choreographer along with pics on A4 Sheets

Music: Write a self composed poem by based on Nature, Politics or Motivational on A4 shaeet.

Art: Draw any one in any medium - Landscape or still life(size A3)

Make any one painting with the help of grains and any kind of waste material.

MATHS

Solve the given questions in your fair notebook:

Q-1 Prove that: $\frac{3^{n+1} - 3^n}{3^n + 3^{n+1}} = \frac{3}{2}$

Q-2 Rationalize the denominator of $\frac{1}{\sqrt{7} + \sqrt{6} - \sqrt{13}}$

Q.3 Express each of the following in the form $\frac{p}{q}$

(i) $3.1\bar{4}$ (ii) $0.5\bar{4}$ (iii) $10.03\bar{6}$ (iv) $0.\bar{3}2\bar{4}$

Q-4 Represent $\sqrt{11}$ on the number Line .

Q.5 Find a rational number between :

(i) 1 and 2 (ii) 1.2 and 1.3 (iii) -2 and $\frac{1}{2}$

Q.6 Divide the polynomial $3x^4 - 4x^3 - 3x - 1$ by $x - 1$ and find its quotient and remainder

Q.7 If $(x - 2)$ is a factor of $p(x) = 3x^2 - kx + 10$ find the value of k

Q.8 Factories: (a) $x^3 - 2x^2 - x + 2$. (b) $x^3 + 13x^3 + 32x + 20$

Q.9 If $x + \frac{1}{x} = \sqrt{5}$ then find the value of

(i) $x^2 + \frac{1}{x^2}$ (ii) $x^4 + \frac{1}{x^4}$

Q.10 Evaluate each of the following by using identities:

(i) 108×108 (ii) 99×99 (iii) 103×97 (iv) 105×106

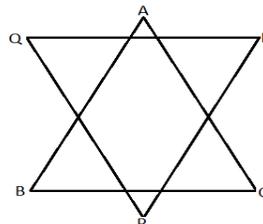
Q.11 Prove that the sum of the interior angles of a triangle is 180°

Q.12 An exterior angle of a triangle measures 140° . if the interior opposite angles are in the ratio 3:1 , then find angles of the triangle

Q.13 Prove that if a side of a triangle , is produced exterior angle so formed is equal to the sum of the interior opposite angles.

Q.14 Define an angle and write the definition of each type of angle with examples .

Q.15 In figure , prove that $\angle A + \angle B + \angle C + \angle P + \angle Q + \angle R = 360^\circ$.



ACTIVITY: Spiral Root of 2 ,3,4,5,6,7,& 8.

PHYSICS

- 1) A BMW car travelling at 22.4 m/s skids to a stop in 2.55 s. Determine the skidding distance of the car (assume uniform acceleration)?
- 2) A bullet is moving at a speed of 367 m/s when it embeds into a lump of moist clay. The bullet penetrates for a distance of 0.0621 m. Determine the acceleration of the bullet while moving into the clay. (assume a uniform acceleration.)
- 3) A bus accelerates uniformly from 54 km/h to 72 km/h in 10 seconds Calculate
 - (i) acceleration in m/s^2
 - (ii) distance covered by the bus in metres during this interval.
- 4) Derive the equation for velocity-time relation ($v = u + at$) by graphical method.
- 5) A circular track has a circumference of 3140 m with AB as one of its diameter. A scooterist moves from A to B along the circular path with a uniform speed of 10 m/s. Find
 - (a) distance covered by the scooterist,
 - (b) displacement of the scooterist, and
 - (c) time taken by the scooterist in reaching from A to B.

CHEMISTRY

- 1) Why do we see water droplets collected at the outer surface of a glass container containing water?
- 2) Why do people perspire (sweat) a lot during hot humid day?
- 3) Why is it advisable to use pressure cooker at higher altitudes?
- 4) On a hot humid day why do we feel pleasant sitting under a tree?
- 5) Shreya commutes in a CNG fitted van to school every day along with many other students. She told the van driver to get CNG connection certified and timely checked it for any leakage or loose connection of pipes. She told the driver to be more careful during summers.
 - a) What is CNG?
 - b) Why should one be more careful with CNG cylinders during summer?
 - c) What value of Shreya is seen in the above act ?

BIOLOGY

- 1) Explain the functions and structure of Golgi bodies.
- 2) Differentiate between parenchyma, collenchyma and sclerenchyma.
- 3) What are suicidal bags (lysosomes)?
- 4) Explain the process of osmosis in detail.
- 5) Draw and label diagrams of plant cell and animal cell.

Do the following experiment/activity in your lab manual book

- 1) Experiment number-3
 - 2) To study and write about parenchyma, collenchyma and sclerenchyma tissue.
- [NOTE- Draw the "Observation table" & "diagram" on the left hand side page (blank page)]