Holiday Homework: Class-VIII

Important Instructions:

- The holiday homework will be assessed as internal assessment.
- All the home assignments provided through WhatsApp must be completed.

Children are reservoirs of potential which needs to be tapped and channelized in diverse ways. We at BBPS Anuppur feel that it is very important to fire their imagination and foster an outlook that helps them explore, discover and rediscover. Children should be encouraged to develop intellectually and physically. Summer Vacation is the best and fruitful time for learning and for nurturing creativity. It is the time when you can connect with your child in many ways. The Holiday Homework designed would not only enhance achievements of your children but also help to enhance family relationships. It would teach your child to work independently and would improve their basic academic skills, such as reading, writing, and spellings and would help them develop personal skills and time management.

ENGLISH

THE READING ACTIVITY: Given below is a list of books. Choose any two of them (Ideally, you must choose one from each genre) and read for pleasure. If you don't find these books you my select any books from the given genre and read them. After you complete reading, write a book review of any two books. Design an interesting and colourful book jacket too giving it the form of a real book. Stick your book review inside the book jacket.

Few links from the given genre are as under for your reference:

a. The Harry Potter series : http://pdfcorner.com/free-download-harry-potter-series-pdf-book-by-j-k-rowlings/

b. Captain Cool: https://alipdfverza-sui.firebaseapp.com/17-theodora-spencer-1/9788184955231-m-s-dhoni-captain-cool-jaico-cricketwallah-serie-ebook.pdf

c. The Hounds of Baskerville: https://www.planetebook.com/free-ebooks/the-hound-of-the-baskervilles.pdf

d. Journey to the centre of the earth : https://freeditorial.com/en/books/a-journey-to-the-centre-of-the-earth , https://freeclassicebooks.com/Jules%20Verne/Jules%20Verne%20-%20English/A%20Journey%20to%20the%20Centre%20of%20the%20Earth.pdf

e. The Hitchhiker's Guide to the Galaxy: https://www.cubahora.cu/uploads/documento/2018/11/19/adams-douglas-the-hitchhikers-guide-to-the-galaxy.pdf

f. Collection of 22 short stories by Arvind Gupta : http://www.coursexercices.com/PDF_Cours_Exercices_Telecharger.php?q=funny+english+short+stories+pdf

g. The Shiva Trilogy: https://www.authoramish.com/shiva-trilogy-download/

Genre	Books
Fiction	1. The Hunger Games- Suzanne Collins 2. Percy Jackson series or Kane Chronicles (The Red Pyramid)- Rick Riordian 3. The Harry Potter series – JK Rowling 4. The Room on the Roof – Ruskin Bond 5. Doctor Thorne-Anthony Trollope 6. Indian Summer- Alex Von 7. Wings of Fire – A P J Abdul Kalam
Autobiography	8. The Test of My Life – Yuvraj Singh 9. Open – Andrew Agassi 10. Captain Cool: M S Dhoni
Thrillers	11. Hounds of Baskervilles- Sir Arthur Conan Doyle 12. The Spy Who Came in from the Cold - John le Carré (Penguin Modern Classics) 13. Billionaire Boy - David Walliams 14. Any one of the short stories by Agatha Christie
Science Fiction	15. I, Robot – Issac Asimov 16. Journey to the centre of the earth- Jules Verne

	The Classics	17. Pride and Prejudice by Jane Austen (Wordsworth Classics) 18. Oliver Twist by Charles Dickens (Penguin Classics) 19. Wuthering Heights by Emily Brontë (Wordsworth Classics) 20. Tom Sawyer – Mark Twain
	Comedies	21. The Hitchhiker's Guide to the Galaxy by Douglas Adams (Gollancz) 22. The Secret Diary of Adrian Mole Aged 13 ¾ by Sue Townsend (Penguin) 23. Thank You, Jeeves by P G Wodehouse (Arrow)
	Short stories	24. The Collected Stories of Katherine Mansfield (Wordsworth Editions) 25. Short stories-Guy de Maupassant 26. Collection of 22 short stories – Arvind Gupta (PDF available on internet) 27. Short stories of Rabindranath Tagore
	Indian Writers	28. The Shiva Trilogy- Amish Tripathi 29. Interpreter of Maladies- JhumpaLahiri 30. You Can Win – Shiv Khera 31.The Immortals of Meluha – Amish Tripathi

2. Write a short funny/moral giving poetry/story on an A4 / chart paper sheet on any of the topics of your interest and draw/paste attractive picture/s to add to its beauty.

3. Using the link: https://www.englishclub.com/vocabulary/coronavirus-covid19.php?sb explore the COVID 19 terminologies and prepare an informative chart on 'A-Z of Covid-19'. Make use of your creativity to design a beautiful cover for your dictionary.

4. Make a small notebook/a diary your personal diary. Cover it and decorate it as well as you do to the most favourite thing of yours. Give your diary a cute/funny name as you name your friend/pets. Write a page of the everyday events of your daily life in the diary. Draw/paste pictures to make the entry memorable. Follow the format.

5. Learn the given topics from the links provided and practice them in your English notebook:

a. Tense: https://www.learncbse.in/cbse-class-10-english-grammar-tenses/

https://youtu.be/cYAaGmICm3U   https://youtu.be/pXZtRXpGNck

b. Clauses: https://www.learncbse.in/cbse-class-10-english-grammar-clauses/

c. Future Time Reference: https://grammar.collinsdictionary.com/easy-learning/future-reference#:~:text=Future%20reference%20can%20be%20made,am%20not%20going%20to%20wait.

d. Subject – Verb Concord (Agreement): https://www.learncbse.in/cbse-class-10-english-grammar-subject-verb-concord/

https://www.toppr.com/guides/english/verb/subject-verb-concord/

e. Conditionals: https://www.englishclub.com/grammar/verbs-conditional.htm
f. Omission of Articles: https://www.toppr.com/guides/english/articles/omission-of-the-article/

Note: It's a part of internal assessment. So, it has to be done diligently and must be produced when asked for submission.

Hindi

१) महाभारत के कोई दो पात्रों के विषय में लिखिए जिनसे आप प्रेरित हैं | दो पात्र में एक स्त्री तथा एक पुरुष पात्र होना चाहिए|

२) कोई एक कविता या कहानी लिखिए जिनमें आपके सपनों का वर्णन हो जिसका शीर्षक "मेरा सपना" या "मेरा लक्ष्य" होगा|

३) तीन अलग-अलग सुविचार का बुकमार्क बनाइए|

४) मीराबाई और सूरदास के दो-दो पद याद कीजिए|

५) मिट्टी का कोई खिलौना बनाइए तथा कक्षा शुरू होने पर खिलौना को प्रदर्शित करते हुए अपने अनुभव साझा करिए|

नोट: (प्रश्न संख्या १ और २ हिंदी की कॉपी में लिखे)

संस्कृत:-

१) पंचम: पाठ: - पीयूष बिन्दव: (श्लोक) लिखिए तथा याद करिए|

२) प्रत्येक पाठ का शुद्ध उच्चारण में प्रतिदिन पाठन करना हैं|

MATHEMATICS

The homework problems are separated into Levels 1 and 2. The Level 1 problems address basic concepts. The Level 2 problems are more challenging, but can be solved using the concepts covered in class. <u>Both the Level 1 & Level 2 problems are compulsory</u>. Please attempt all the Level 2 problems even if you cannot solve all of them. <u>I will be correcting the holiday homework</u> immediately after you return to school.

Level 1 Problems (Basic concept revision)

1. Prime factorise the number1176
2. Find the LCM of these numbers: 300, 200 and750
3. Find the HCF of these numbers: 2520, 1260 and2100
4. A cake is cut up into a number of equal pieces. Alam, Binny, Chirag and Debu take pieces of the cake. Alam has 1/3 of the cake. Binny has ¼ of the cake.Chirag has 1/6 of the cake. Debu now takes one third of the remainder. This leaves two pieces. How many pieces was the cake cut ?
5. Biscuits occupy 7/8 th of the volume of their packet. The remaining 1/8 is unused. It is decided to re-design the packet so that the amount of unused space is reduced by 40%.
6. Convert the following decimals into fractions: 0.125 and 0.7 (7 is recurring)
7. What is the largest multiple of 73 that is less than 2000?

8. A woman begins her work at 10:20 am and estimates that it will take her 5 hours to finish. At what time does she expect to finish?

9. Calculate:

   a. $25.5 \div 0.05$

   b. 0.025×0.04

10. 18% of 50 is what percent of 24?

11. Parul invested 2,50,000 in the stock market. In the first year, her money went down by 15%. In the 2nd year, her remaining money went up by 20%. Over the two---year period, what was her overall percent gain or loss?

12. If 25% of n is 18, then what is 125% of n?

13. Find the values of:

   a. $\sqrt{216}$ b) $1/2 \times (215)$ c) $(1/2)^{-2}$

14. Round:

   a. 1.651 to the nearest tenth   b) .2712 to the nearest tenth

15. Simplify : $(y3- 2y + 1) – (y2 - 2y + 8)$

16. What expression must be subtracted from $2x-3y$ to give $3x+2$?

17. Calculate the value of $1112 - 892$ using the formula for $a2 – b2$

18. What is an irrational number?

19. My father's age 5 years ago plus twice my age now gives 65. My age 5 years ago plus three times my father's age now gives 130. What is my father's age?

20. A woman drove from point A to B at 20 km per hour. She returned along the exact same route at 30km per hour. What was her average speed for the over all trip?

21. 5 men can paint 2 houses in 8 days. How many days would 10 equally productive men need to paint 6 identical houses?

22. A man sells a widget for 270 at a loss of 10%. How much would he need to sell it for to make a profit of 25%?

23. I can finish the problems in one chapter of my physics book in 8 hours. Suppose each chapter takes the same time, and there are 30 chapters. How many people working at the same rate as me would it take to finish the book in 24hours?

24. A tank contains 10,000 litres of water when full. It begins to leak. After the first day half of the water is lost. After the second day half of the remainder is lost. After the third day half of

the remainder from the second day is lost. This continues, losing half of the remainder from the previous day. At the end of 5 days the leak is discovered.

   a. What fraction of the water has been lost?

   b. What fraction of the water remains?

   c. How much water has to be put back into the tank in order to fill it up?

Level 2 (more challenging). Attempt all even if you can't solve all of them.

1. Convert the following into a fraction: 0.416 (only the digit 6recurs)

2. A positive integer is 3 more than a multiple of 4, and 4 more than a multiple of5. What is the least integer it could be?

3. The four---digit number A55B is divisible by 36.What is the sum of A&B?

4. Is the number 22×321perfectly divisible by 6? Is it perfectly divisible by 8?

5. Grapes are 80% water (by weight) and raisins are 20% water (by weight). If we start with 500 grams of grapes and remove enough water to turn the mint or raisins, then what is the weight of the raisins that results?

6. Express 316 as a power of 1/9

7. A person travels equal distances with speeds of 3km/hour, 4km/hour and 5 km/ hour and takes a total time of 94 minutes. What is the total distance travelled?

8. Bart is writing on a chalkboard that is initially empty. It ordinarily takes Bart 50 minutes to cover the whole board. Nelson is erasing the board while Bart is writing. Nelson can erase the whole board in 80 minutes by himself. If they work simultaneously, how long will it be until the whole board is covered?

9. Harleen beg an peeling a pile of 44 potatoes at the rate of 3 potatoes per minute. Four minutes later Chetan joined her and peeled at the rate of 5 potatoes per minute. When they finished, how many potatoes had Chetan peeled?

10. Some marbles in a bag are red and the rest are blue. If one red marble is removed, then one---seventh of the remaining marbles are red. instead of one red, then one fifth of the remaining marbles are red. How many marbles were in the bag originally?

SCIENCE

Note: Do any three of the following activities.

1. To prepare a life sketch including biographical information and significant contribution of any Indian Scientists.

TOPIC: LEGENDS OF INDIAN SCIENCE

Instructions:

-Prepare a life sketch of any one scientist in the form of BIOGRAPHY BOOKS/ LAPBOOKS.

-Use library/ encyclopedia/ online resources to undertake in-depth research.

-Book should cover the following information of the scientists:

(a) Sketch/ Portrait of the Scientist   (b) Date and Place of birth and death (c) Nationality

(d) Significant Contributions to the society (e) Relevance/ Application in day-to-day life

(f) Awards (g)Inspirational quotes

2. BE THE BUDDING SCIENTISTS!

Design your own experiment and feel like a scientist.

Instructions:

-Choose any topic related to Physics/ Biology/ Chemistry and design an experiment using
 simple things around to explain laws, principles, phenomena around us.

-Prepare a working model or an activity and also a chart related to it.

3. Make a wind chime using metallic waste materials to show that metals are sonorous.

Instructions:

-You may use colored strings, Coat hangers, thin strips or rods or metal nuts and bolts/ any other object that you think will produce a pleasant sound. Tie a piece of string to the objects and arrange them on the hanger. The heavier items should be towards the middle so that the wind chime is balanced. Hang your wind chime and switch on the fan to test it.

4. You may have noticed that most packed items we get from the market have 'best before'or 'expiry' dates on them. These are the dates before which the manufacturers intend hese foods to be consumed. Check the packets of different types of food items like hips, biscuits, dairy products, chocolates, jam, ketchup, juices etc. and complete the following table.

Product name	Method of packing (sealed bag, tetra pack, bottle, can, carton etc.)	Manufacturing date	Expiry date/ best before date

(i) Which type of foods have the shortest 'best before' / expiry duration?

(ii) Which type of foods have the longest expiry duration?

(iii) Also, find out why it is considered unhealthy to consume foods after the 'best before'/expiry date. Prepare a report based on your findings on A4 sized sheets.

5. Prepare a project report on ancient India's contribution to science and technology.

SOCIAL SCIENCE

1. Locate at least 10 wildlife centuries, national park or bird century on an outline map of India.
2. Prepare a project on any one of the following :
   (i)   a poster on water conservation
   (i)   a poster on energy conservation
   (ii)   a poster on air pollution
   (iii)   a poster on water pollution
   (iv)   Historical monuments of India.
3. List the taxes collected by the government in our country.
4. Download e-book from the link provided, read chapter-1 from the book Our Pasts - III & chapter-1 from geography book (Resources) and answer the following questions:

   Link: http://play.google.com/store/apps/details?id=letest.ncertbooks

   Resources (Geography):
   (i)   Define resource with example.
   (ii)   Give a brief classification of resources.
   (iii)   Distinguish between renewable and non-renewable resources.
   (iv)   What do you mean by sustainable development?
   (v)   Write the principles of sustainable development.
   (vi)   Differentiate between ubiquitous and localized resources.
   (vii)   List the type of human resources which you could see in your locality.
   (viii)   List the places (cities) in the country where terrace farming is done.

   Our Pasts - III (History):

   (i)   What is an archive?
   (ii)   Why the British gave preference to surveying?
   (iii)   How James Mill periodised Indian History?
   (iv)   How the historians periodised Indian History?

COMPUTER

1. Explore Google Apps and find out Classroom App? How could it be beneficial in online teaching.

2. What is Cortana? How Cortana is helping us in our daily life?

3. Write famous Car Driving App which help you while you are driving the car?

4. You are a student of English. Now describe three useful URLs which help you in your English Studies.

Note: - Upload the PDF of all answers in given prescribed link.

Subject: Music

➢ **Learn these Notations/Alankar daily 3 to 5 times**
- Sa, Re, Ga, Ma, Pa, Dha, Ni, Sa
  Sa, Ni, Dha, Pa, Ma, Ga, Re, Sa
- SaReGa, ReGaMa, GaMaPa, MaPaDha, PaDhaNi, DhaNiSa
  SaNiDha, NiDhaPa, DhaPaMa, PaMaGa, MaGaRe, GaReSa
- SaReGaMa, ReGaMaPa, GaMaPaDha, MaPaDhaNi, PaDhaNSa
  SaNiDhaPa, NiDhaPaMa, DhaPaMaGa, PaMaGaRe, MaGaReSa
- SaReGaMaPa, ReGaMaPaDha, GaMaPaDhaNi, MaPaDhaNiSa
  SaNiDhaPaMa, NiDhaPaMaGa, DhaPaMaGaRe, PaMaGaReSa
- SaReGaMaPaDha, ReGaMaPaDhaNi, GaMaPaDhaNiSa
  SaNiDhaPaMaGa, NiDhaPaMaGare, DhaPaMaGaReSa

➢ **Learn Prayer from you tube video:**
- Hey Ram..........
- We Shall Over come......
- Guru Vandana………….
- Itni Shakti Hamein Dena Data……
- Teri hai Zameen……………..
- National Anthem…………….
- Lub Pe Aati Hai Dua………..
- Listen this link from You tube & practice again & again
  Basic singing lesson 4 from Swar Swami
  https://youtu.be/Vu9aLjMMGBY

ART & CRAFT

ART- Draw any two pencil sketch of your choice and give light & shadow effect
   On them.
   Draw any two simple composition of your choice & colour on them .
   For example –Village scene,Picnic scene, Playing children, Balloon seller etc.
   Medium for colouring –crayon colour, poster colour , water colour etc.
CRAFT- Make any two craft by using waste plastic bottles or milk powder box or any
 other waste materials.
      Or make any two wall hanging craft for home decor.
      Example- Broom from plastic bottles, Newspaper jar (newspaper craft ideas)
            Wall hanging paper flower holder.
   Note- For craft making ideas please see POGO or ART ATTACK TV channel
      Or YouTube.