

BHATNAGAR INTERNATIONAL SCHOOL
Holiday Homework (Session 2020-21)
Class IV



Learning is a treasure that will follow its owner everywhere.

Dear Students,

It is again your Summer Holidays. But, this time, they are very different from the previous years. Due to the Pandemic that had occurred, on one hand, the world is facing crisis but on the other hand, our mother Earth has begun rejuvenating. It is the time when we need to stay at our homes and take care of all the family members. We wish that you enjoy your vacation and learn through your surroundings and experiences and make the most out of these vacations.

- >Ensure that you follow time table and do your exercise at home.
- >Be a helping hand to your family members.
- >Work on enhancing your skills. You can surely do that!
- >Make sure you eat healthy and keep your surroundings spic and span.
- >Save water, save electricity and emerge as an environmentalist.

Last but not the least, be a proud Indian- Read about your country and become an explorer.

The attached Holiday's Homework would enable you to use your capacities to the maximum.

"Education is not the preparation of life, it is life."

HAPPY HOLIDAYS!

Section A (Language & Maths)

English

- **Make a word chain.** The last two letters of the word should be the first two letters of the next word. For e.g. Metal – Almost – Stranger– Erupt and so on. You must not use any 3 or 4 lettered words.
- **Showcase your poetic talent** by composing a poem on 'Environment'.
- **Anagrams** are words that contain the same letters but arranged in a different order. Enjoy solving the given Anagram Riddles.

Anagram Riddles

Ex) Something used to catch fish. (Net)

A number. (Ten)

1. A hot drink _____ Have some food _____
2. Something used to water plants _____ A thing you put on your foot _____
3. Things you hammer _____ A mollusk with a shell on its back _____
4. A piece of something _____ Something used to catch things _____
5. The opposite of far _____ Receive money for working _____
6. Not as hard _____ A place where many trees grow _____
7. The past tense of learn _____ A deer's horn _____
8. Competitions to see who is fastest _____ Another word for frighten _____
9. A number _____ The opposite of here _____
10. Things that babies wear _____ Another word for complimented _____

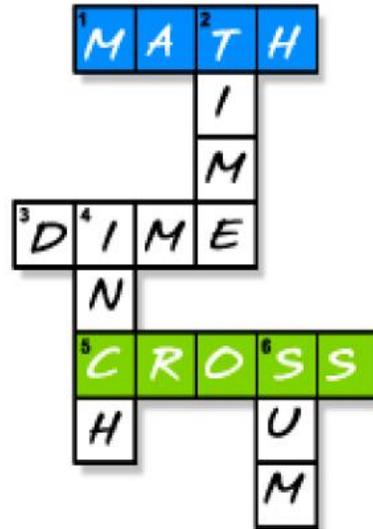
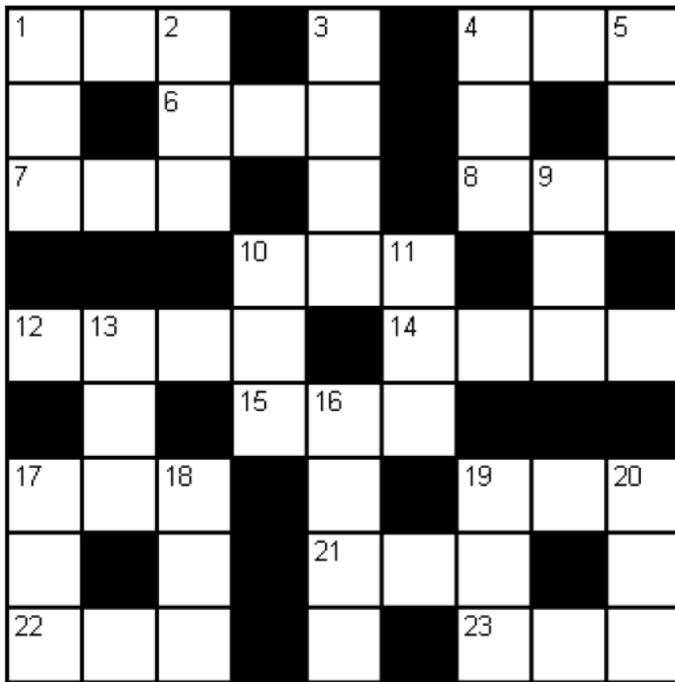
Hindi

दिए गए विषयों में से किसी एक विषय पर स्वयं कविता लिखे और एक विडीओ (video) के माध्यम से रचनात्मक ढंग से प्रस्तुत करें ।

. पिता . एक महापुरुष पर कविता . शिक्षा . मित्रता . स्कूल . पर्यावरण

Maths

1. Complete the given crossword with the help of the across and down options.



ACROSS

1. $634 - 231 =$
4. 1 Down + 100 =
6. $900 - 600 =$
7. 800, 802, 804, ____, 808...
8. 16 Down - 100 =
10. 121, 122, ____, 124, 125...
12. $452 + 892 =$
14. The number that comes after 999
15. 800, 804, 808, 812, ____, 820...
17. $222 + 222 =$
19. 15 Across - 17 Across =
21. 7 Across - 1 Across =
22. 600, ____, 602, 603...
23. The number before 318

DOWN

1. $927 - 509 =$
2. 330, 333, ____, 339, 342...
3. $556 + 506 =$
4. $299 + 240 =$
5. $1000 - 200 =$
9. 400, 410, ____, 430, 440...
10. 136, 140, 144, ____, 152...
11. The number immediately before 317
13. 12 Across - 16 Down =
16. $248 + 792 =$
17. $400 + 50 + 6 =$
18. 8 Across - 4 Down =
19. 111, 222, ____, 444, 555...
20. 7 Across - 4 Down =

2. Watch the given you tube link and make a flexagon using origami sheets.

<https://www.youtube.com/watch?v=db8PniE4PmQ>

3. Fill in the grids so that each column, row and diagonal add up to the given sum.



Magic Squares

The sum is 15.

2		
	5	3

The sum is 60.

32		
		28
		8

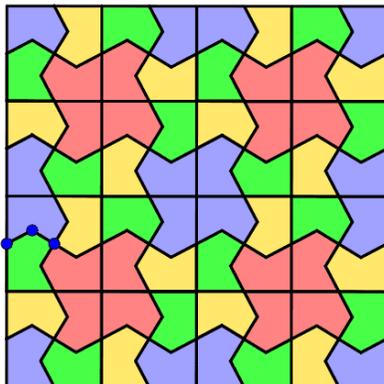
The sum is 30.

	10	6
12		

The sum is 60.

		16
28		
24		

4. Draw any 2 tessellating patterns an A4 size sheet and colour them. One example of tessellating pattern is given below.



5. 24 Game – Make, play and have Fun

Play the game make your own cards numbered from 1 to 10. (4 cards of each digit)
The two players simultaneously take the top two **cards** of their stacks and place them face up in front of them, to form a square of four face up **cards**. Now each player tries to think of a way to combine the four numbers using only addition, subtraction, multiplication and division to get a result of **24**.

You can watch videos on these links to understand it better and then play.

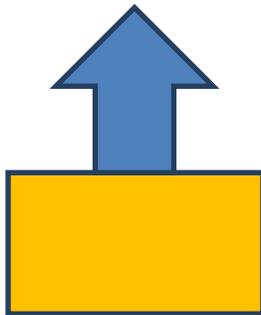
<https://www.youtube.com/watch?v=HeO0q0cSvx0>

https://www.youtube.com/watch?v=eoAPjvc_1LY

6. Make 5 symmetrical figures using the shapes given in Ms Office and colour them on Ms Office and mail it or take a print out of it.

(Note: You can use two or more shapes join them to make a symmetrical figure.)

Ex -I used here a rectangle and an arrow to make a symmetrical figure.



7. Make a **video** presenting **any one** of the following topics.

- i) Short story History of a mathematics
- ii) Explanation of a topic like polygons, symmetry, fractions, measurement etc or any other topic of your choice in unique way.
- iii) Show conversation between any two math elements. (Example a conversation between two shapes/ two operations etc)

Time Duration of the video from 1 to 4 minutes.

8. Suppose you are starting a youtube channel on Math tricks. Design a logo for your channel on Ms Paint.

9. Mental math questions

- a) 1 decade = _____ years
- b) 5 dozen = _____.
- c) _____ is the longest chord of the circle.
- d) How many 6s are there in 69? _____.
- e) 1 m = _____ cm.
- f) 1 score = _____.
- g) 3 hours = _____ minutes.
- h) 1 fortnight = _____ days.
- i) 63 more than 190 is _____.
- j) There are _____ days in a leap year.

10. When you add me to a number, the number does not change. When you subtract me from a number, the number remains the same. But when you multiply me with a number, the number disappears and only I remain. Who am I?
1. Name the scientist who discovered me.
 2. What am I called in Hindi, French and German

Section B (Self Improvement, Health and Gardening/Plantation)

- Our government is taking great initiatives for controlling the spread of **COVID-19**. List any 5 measures to spread awareness amongst the people. Design catchy colourful slogans about the same on MS-Word.
- Make a **Yoga Club** with your family members. Give it a catchy name. Energize and calm yourself by doing Yoga on daily basis with your family members. Click pictures while doing so.
- **Blooming of a flower and formation of a fruit**
You need to observe a flower for 25 days. It will wither and some other changes will take place. You must also record these changes every 5th day by clicking a picture and then making a short video of the same.
- **'Grandparents Sprinkle Stardust, They Are A Blessing To Us'**. Spend some quality time with your grandparents and pen down at least 10 values which you imbibe from them.

- **Reading for pleasure :** Read any one of these story book & then prepare a book review
 - i. 'The Adventures of Tintin by Hergé
 - ii. Adventures of Tom Sawyer by Mark Twain

A book review should include the following:

- a. Name of the book
- b. Author
- c. Main Characters in the story
- d. The character which you liked and why
- e. Summary of the story

Section C (Science, Technology and Travelogue)

- **Movie Making** - Be the director, actor and writer of your own life this summer and create your own movie with your family touching upon the valuable time spent together with them. Video graph yourself and showcase your innate talent.
- Design an innovative booklet on Itinerary of **Sikkim** tourism emphasizing more upon its art and culture.
- **Observe various gadgets** in your kitchen and washroom. Try to find that for what purpose are they used, what gives them energy to work. Draw/paste their pictures & write a few points how these gadgets make us live comfortably.

Section D (Information, Technology & Media)

- Make an **e-card invitation** for your birthday party.
- Design a **brochure/presentation** for your own car detailing basic information and special features.
 - a. Name of the company
 - b. Model
 - c. Fuel used
 - d. Mileage
 - e. Engine type/power
 - f. Type of drive system
 - h. Fuel tank capacity
 - i. Number of airbags
 - j. Other special features
- **In the process of learning new skills:**

Improve your typing skills by writing about various generations of computer in MS-Word.
- **"My Dad's mobile is a Smart Phone"**

What makes a Mobile phone a Smartphone? Compare any two Smart phones for their various features. Enact and make a video of yourself while comparing the both.

