



**TAGORE INTERNATIONAL SCHOOL
VASANT VIHAR, N. DELHI
HOLIDAY HOMEWORK 2020-21
CLASS-V**



CREATING CONNECTIONS

“Behind the need to communicate is the need to share. Behind the need to share is the need to be understood.”

Dear Students

In this time of social distancing and high anxiety, it can help to take a step back and have a look at how people are making connections with themselves, their families and their surroundings like never before.

We have some very interesting Holiday Homework for you this vacation which will help you rejuvenate your connections with yourself and your environment, diversifying your experience.

- ❖ Both the sections are mandatory.
- ❖ All work has to be done on A-4 size coloured sheets and kept safely in a folder or can be submitted in the form of Powerpoint presentation.

Section – A

THE STRIDING SLIPPERS

It is story time again!!

Listen to the engrossing story of the Shepherd and his magical slippers. The link is given below. Note the journey of the slippers and gear up to do the integrated activities created for you.

The Striding Slippers

<https://drive.google.com/file/d/1kq9xddsm8wMi4fmbv3JsJUMi-OhXTI7F/view?usp=sharing>

An Autobiography



I.

A Biography is when you tell someone's life story. In an Autobiography you tell your own story.

Tell your story.....

*Imagine you are a **shoe of a nine-year old girl/boy**. You come to life every time the girl/boy leaves you alone at home and goes to school. You can also record your story as a video. Use props, backgrounds, voice modulation, music etc. to make the story telling experience vivid and dramatic. Save your presentation in an e-folder.*

Use the prompts given.

A day in the life of a shoe.....

1. *How do you spend your time?*
2. *What do you do for fun?*
3. *What kind of hobbies do shoes have? Hint: football/ ballet*
4. *How do you transform their home into your world?*
5. *Do you have your own media...perhaps **shoe tube**?*
6. *Do you have your own language, perhaps squeaking?*
7. *What hidden dangers do you face?*
8. *Who are your friends?*

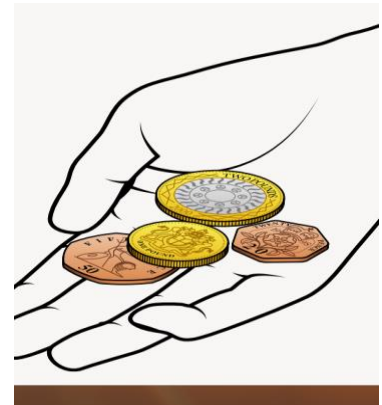
II. Before paper bills, credit card processing, complex taxation, and electronic money, there was the beautiful, simple, artistically crafted medium of exchange called- coin.

In the story, The Striding Slippers the greedy merchant trades the slippers by giving the cousin 2 coins.

Pence is the currency of United Kingdom. Let us explore the weight of the 2 pence.

Situation 1 - The weight of a 10 p coin is 18 g. The weight of a 5p coin is half the weight of a 10 p coin.

(a) Calculate the weight of these 6 coins altogether?



Show your method...


9

(b) Riddle: - The shepherd buys a sheep for \$ 60. He sells it for \$70. He then buys the sheep back for \$80. And then he sells the sheep for \$90. In the end, how much money did the shepherd make or lose?

Situation 2 - The 5p coin with the cousin has a diameter of 1.8 centimeters. While playing with the coins he makes a straight line of 5p coins in the field as shown in the given figure. How long is the line?

CHALLENGE:- Can you calculate your answer in meters?



 Show your method...

m

Situation 3:- In the story the stranger speaks about curses quoting “ 7 x 7 curses on those striding slippers”!! Let us explore these numbers.

(7 x 7 = 49. So, 49 is a square of the number 7. **Square numbers are the product of a number multiplied by itself**)

CHALLENGE: - Can you find out which numbers square up to get the following:-

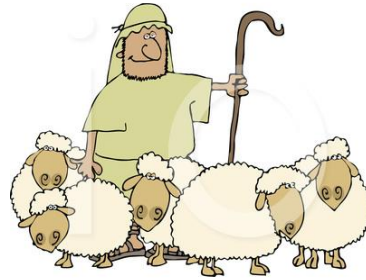
(You can use hit and trial method)

(a) 100 is square of _____

(b) 144 is square of _____

(c) 225 is a square of _____

(d) 81 is a square of _____



Situation 4:- *In the story* you heard how the slippers, transferred from one person to another.

Can you write the chronological order in which the slippers were transferred from one person to another?

III. The word 'Shepherd' was coined by a tribe of Britain. Shepherd was originally a name given to someone who looked after sheep or in other words was the guardian of the sheep.

Let's explore and gather some information about the people who tirelessly look after the animals in the country.

Choose any four states of India and then find out:

- Different names (if any) given to the people who take care of the herd of animals in these states.
- What kind of animals do they keep?
(Choose four different kinds of animals.)
- How do these animals help them to earn a living?
- Is there any striking feature in the kind of dresses these people wear? (Like a cap or footwear.)



Present your findings in the form of a picture collage, representing four states and the life of these people

IV.

बुनो एक कविता सुहानी,
सुनकर हमारी जादुई कहानी



निम्नलिखित शब्दों में से किन्हीं पाँच शब्दों को चुनिए। उन शब्दों का प्रयोग कर एक रोचक कविता का निर्माण कीजिए।

बुद्धिमान, मुसीबत, चीख, खोज, अजनबी, जादुई, उत्साह, अभिवादन, घर, झपटकर

Section B

Journey to space

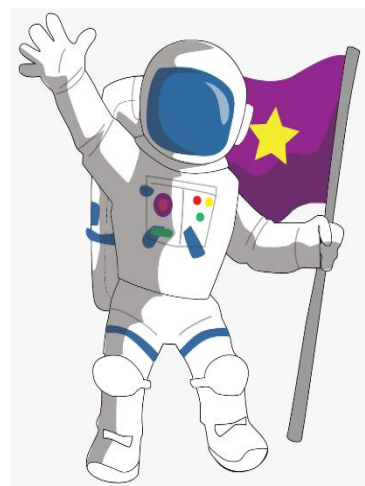
Virtual Tour Link: <https://nineplanets.org/tour/>

I.

You are an astronaut on a peaceful, exploratory mission to Planet Q. As a representative from Earth, you are to present three gifts from our planet. What items will you take? Write a proposal to the sponsors of your mission explaining why you think these will make excellent tokens.

OR

Take your favourite fairy tale and locate it among the stars. Rewrite the story as taking place on spaceships or an alien planet. It could happen on a space ship, or among the stars. Have fun creating imaginary scenes and characters.



II. Explore the space using the virtual link and collect some interesting facts to design your own planet. Follow the guidelines given below:

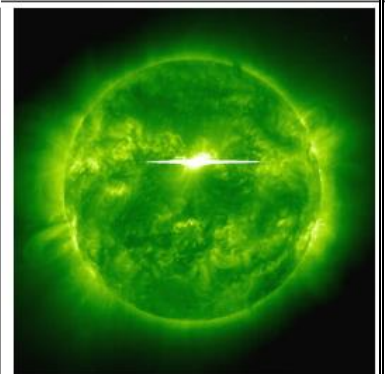
- **NOTICE:** Which planet stands out to you or catches your eye in this virtual tour?
- **PROBE:** Probe for more details. For e.g.:
 - name of the planet
 - physical features (size, colour, shape)
 - position of the planet in the solar system
 - components it's made of – (land, air, water, flora & fauna)
 - special features
 - number of moons it should have



- **EXTEND & CONNECT:** Use the data collected and create your own planet. Showcase your creative ability by designing a flyer to spread the awareness about the new planet. Include all the information about your planet in that flyer.

III. Virtual tour of Space –

On July 15, 2001 a solar storm was tracked from the Sun to Earth by a number of research satellites and observatories. This activity lets you perform time and day arithmetic to figure out how long various events lasted. This is a very basic process that scientists go through to study an astronomical phenomenon. The image to the right was taken by the TRACE satellite and shows the x-ray flare on the Sun. The 'slinky' shape is caused by magnetic fields.



OUR STORY:

On July 14, 2000, NASA's TRACE satellite spotted a major X 5.7- class solar flare erupting at 09:41 from Active Region 9077. The flare continued to release energy until 12:31. At 10:19, radio astronomers using the Nancay radio telescope detected the start of a radio-frequency Type-I noise storm. This storm strengthened, and at 10:27, four moving radio sources appeared. Meanwhile, the satellite, GOES-10 detected the maximum of the x-ray light from this flare at 10:23. The SOHO satellite, located 92 million miles from the Sun, and 1 million miles from Earth, recorded a radiation storm from fast-moving particles that caused data corruption at 10:41.

The SOHO satellite's LASCO imager also detected the launch of a coronal mass ejection (CME) at 10:54. The CME arrived at the satellite at 14:17 **on July 15**. Then at 14:37 on July 15, the CME shock wave arrived at Earth and compressed Earth's magnetic field. The IMAGE satellite recorded the brightening of the auroral oval starting at 14:25. Aurora were at their brightest at 14:58. The aurora expanded to the lowest latitude at 17:35. By 20:00, Earth's magnetic field has slightly decreased in strength in the equatorial regions. By 16:47 **on July 16**, the IMAGE satellite recorded the recovery of Earth's magnetosphere to normal conditions. **On January 12, 2001**, the CME was detected by the Voyager I satellite located 63 AU (astronomical units) from the Sun.

QUESTIONS:

1. From this information, create a **time line** of the events mentioned.
2. **Frame** any 2 questions that you can explore using this timing information?

IV. यदि पृथ्वी और सूरज बात कर सकते तो वह आपस में क्या बातें करते संवाद रचना द्वारा दोनों के बीच की वार्तालाप लिखिए ।

अथवा

यदि आपको सिक्किम राज्य के पर्यटन विभाग के अधिकारी का कार्यभार सौंपा जाए तो आप मंगल ग्रह के लोगों को किस प्रकार अपने क्षेत्र में भ्रमण करने के लिए आकर्षित करेंगे ।



Suggested Readings:

1. Mr Shah's recipe for wonder by Alom Shah and Emily Robertson
2. A Nevermoor Book (series) by Jessica Townsend
3. Illustrated classics – Tom Sawyer by Mark Twain
4. Pippi Longstocking by Astrid Lindgren

