BAL BHARATI PUBLIC SCHOOL, PITAMPURA, DELHI – 110034

CLASS – VIII (PHYSICS)

ALTERNATE ACADEMIC CALENDER ACTIVITY
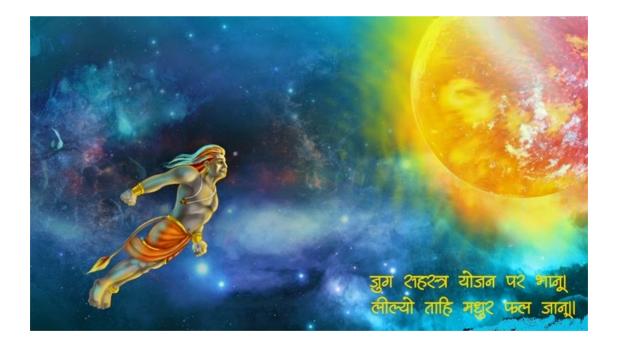
(Week: 7th Dec. to 11th Dec.,2020)

ACTIVITY : To predict the distance from Earth to Sun using the phrase given in HANUMAN CHALISA

"Yug Sahastra Yojan Par Bhanu ! Leelyo Taahi Madhur Phal Janu !!"

LEARNING OUTCOMES: -

Each learner will be able to:

- Analyse & interpret the given information & draw conclusion.
- Think out of the box to find the distance from Earth to Sun.
- Understand the significance of our ancient principles, technology and culture.

INTRODUCTION

History is not presented to us in a way it should be. There are still many elements and precious jewels of information that are being kept hidden from us. Ocean of history is before you, dive in and dig the jewels out. The gleaming beam of knowledge from these jewels will not only enrich our country but will also keep bestowing direction to our future generations. Hoping that this activity will help you to understand the significance of our ancient principles, technology and culture.

You will be surprised to know that **the distance between Sun & Earth is mentioned in Hanuman Chalisa.**

Hanuman Chalisa was written by Goswami Tulasidas (born 15th century) in Awadhi language who belongs to 15th century which means the distance between Sun and earth has been calculated much more accurately than the 17th century scientists, even before 2 centuries. The people of that age had more talent, knowledge, capabilities and much more advanced technology that is beyond the imagination of our present day technologies.

Following two lines of " Hanuman Chalisa" compute this distance with great simplicity:

"! जुग सहस्र योजन पर भानु, लील्यो ताहिमधुर फल जानू !"

"Yug Sahastra Yojan Par Bhanu ! Leelyo Taahi Madhur Phal Janu !!"

Using the above two lines calculate the distance between Earth & Sun. Also show the necessary calculations in the notebook.

Enjoy! Happy Learning!