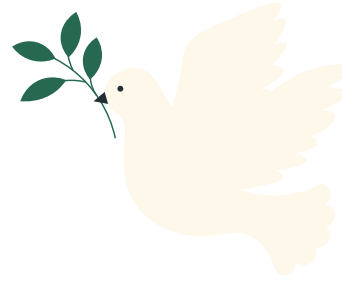




Bal Bharati
PUBLIC SCHOOL
Sector-21, Noida, G.B. Nagar



WINTER HOLIDAY HOMEWORK 2022-23

CLASS -IV

*THEME: PEACE, JUSTICE
&
STRONG INSTITUTIONS*



CLASS IV WINTER HOLIDAY HOMEWORK 2022-23

THEME: SUSTAINABLE DEVELOPMENT GOALS-XVI PEACE, JUSTICE & STRONG INSTITUTIONS

Dear Parents

Warm greetings!

The winter holidays are around the corner. This year was filled with thrill, learning and novel practises. So, keeping that in mind we bring for our students, various fun-filled activities to keep them active during the break time.

Following the theme of our Winter Holiday homework -Sustainable Development Goal-16- "Peace, Justice & Strong Institutions", we have designed a series of activities integrating the theme with English, Hindi, Mathematics, Science, SST and ICT. The activities aim to provide students with opportunities to brainstorm and engage in critical thinking.

PLEASE NOTE: These activities will be assessed for Round IV. Students are requested to submit their work under the Winter Holiday Homework Assignment to your respective subject teachers.

Date of Submission:

English : 10 January 2023

Science : 13 January 2023

Maths : 16 January 2023

SST : 20 January 2023

Hindi: 27 January 2023

Wish you an elated holiday time and a fantastic year ahead!

We wish you warmth, love, and good health in the upcoming year.

ENGLISH HHW

INTEGRATED WITH: Music, Lib, Art and Dance.



There is an expert in all of us!

In this fun and entertaining homework idea, you have to watch the videos of some movies and some tutorials on famous ventriloquist and learn to act like one.

ACTIVITY:

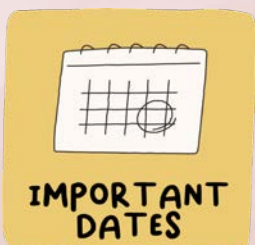
You are requested to check the list given (roll no. wise) below to create a toy/doll/puppet of that character. You also have to deliver a one minute show (conversation, jokes, riddles, story, etc.) as a ventriloquist on the topics assigned next to the character in your class.

Sample: https://www.youtube.com/watch?v=rk_qLtk0m2c

| Roll No. | Characters and topic |
|----------|--|
| 1-10 | Dobby the elf(from the movie Harry Potter) and you on a picnic |
| 11-20 | Wednesday Addams and you on a dance floor |
| 21-30 | Mauui (from the movie Moana) and you in the middle of an ocean singing |
| 31-40 | Mirabel Madrigal (from the movie Encanto) and you in the computer lab making a game |
| 41-50 | Kung fu panda and you on the racing ground |

LEARNING OUTCOME: Students will learn to speak, analyse and act.

INTEGRATED WITH: Art, Music, Dance, Library



| | | | |
|----------------------|--------|--------|--------|
| DATES OF PERFORMANCE | 10 JAN | 11 JAN | 12 JAN |
| ROLL NO | 1-20 | 21-40 | 40-50 |





SCIENCE HHW

INTEGRATED WITH: ICT.



ENERGY AND TYPES OF ENERGY

What Is Energy?

Energy is used all around us every day. Energy is used by people to move, talk, and play. Energy is used by cars, radios, toys, fires, and musical instruments. There are many ways to use energy. There are many ways to get energy, too. Energy comes from the Sun. It also comes from the food we eat. It comes from gas, and from electricity. It comes from wind and fire. It comes from gravity too. Energy is neither created nor destroyed. It just changes from one form to another.

Activity 1

Make a PPT of minimum 4 slides (including cover slide) on MS PowerPoint.

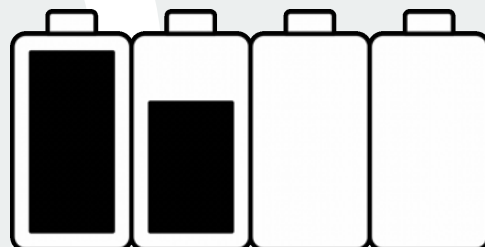
“Topic: What is energy, forms of energy and sources of energy”

Reference Videos, you may refer to the links given below:

<https://www.youtube.com/watch?v=E9OX-y2PErk>

<https://www.youtube.com/watch?v=63t0Y2ACoh4>

<https://www.youtube.com/watch?v=W7ZcQUb5IMg>



Activity 2

Be an Energy Detective! Find sources of energy.

Can you think of something (In your home, school, or outdoors) that uses:

Two things that use water energy

Two things that use food energy.

Two things that use energy from the Sun (for heat and light).

Two things that use wind energy.

Two things that use electrical energy.

Two things that use heat energy.

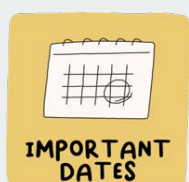
Two things that use sound energy.



Make two slides on ppt to list out answers for activity 2

LEARNING OUTCOME: Students will understand more about the energy and how we can use technology to produce energy.

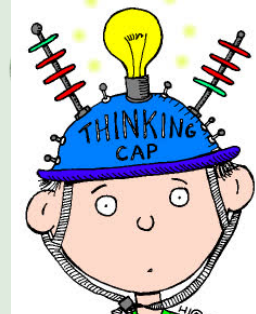
INTEGRATED WITH: ICT



Note: Kindly upload your work on MS teams by 13 January 2023.

Mathematics HHW

INTEGRATED WITH: Science and Art.



We know that mathematics is a beautiful subject and it enables you to be imaginative and helps you analyse the world in a more meaningful manner.

Hence we can learn mathematics by engaging ourselves in real life projects and fun activities to foster our mathematics learning process.

You have to work individually on given projects as per your class roll number.

| Roll No. | Project Work/Model |
|----------|---|
| 1-12 | Make a MODEL using geometrical Shapes on the topic 'Peace, Justice and strong institutions' click here : https://youtu.be/1iwFWKekAxw |
| 13-24 | Make any model based on ORIGAMI or a DODECADRON Click here: https://youtu.be/kFUyXWIObLw https://youtu.be/VJF8pRk2L04 |
| 25-35 | Make a GEOBOARD on a cardboard Click Here: https://youtu.be/o1cCBCISnps |
| 36-50 | Make a TESSELLATION pattern (also called tiling pattern) on chart paper, A4 Size Paper. Click here: https://youtu.be/WBVzoaFi90E |

(Use above links for help don't copy it also use of thermocol sheet is prohibited)

LEARNING OUTCOME: Students will learn to create and understand shapes better.

INTEGRATED WITH: Science and Art



| DATES OF SUBMISSION | 16 JAN | 17 JAN | 18 JAN |
|---------------------|--------|--------|--------|
| ROLL NO | 1-20 | 21-40 | 40-50 |

SST HHW

INTEGRATED WITH: ART.

Peace, justice and strong institutions are the foundation of a successful community. Learning about the world around you has always been useful and so let's practise our learning and create these projects to promote a friendly and social community.

You have to work individually on given projects.

Activity 1:

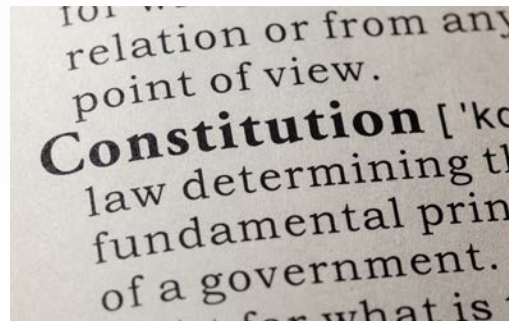
Create a flag using coloured chart paper and used straws for our own class that should depict togetherness and harmony. It can also have a logo/symbol too.

Sample:



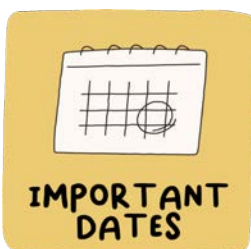
Activity 11:

Create a constitution for your classroom and list five rights and duties of a student on an A4 size white sheets and decorate it neatly.



LEARNING OUTCOME: Students will learn to critically think, analyse and plan

INTEGRATED WITH: Art



| | | | |
|---------------------|--------|--------|--------|
| DATES OF SUBMISSION | 20 JAN | 23 JAN | 24 JAN |
| ROLL NO | 1-20 | 21-40 | 40-50 |

हिन्दी अवकाश कार्य

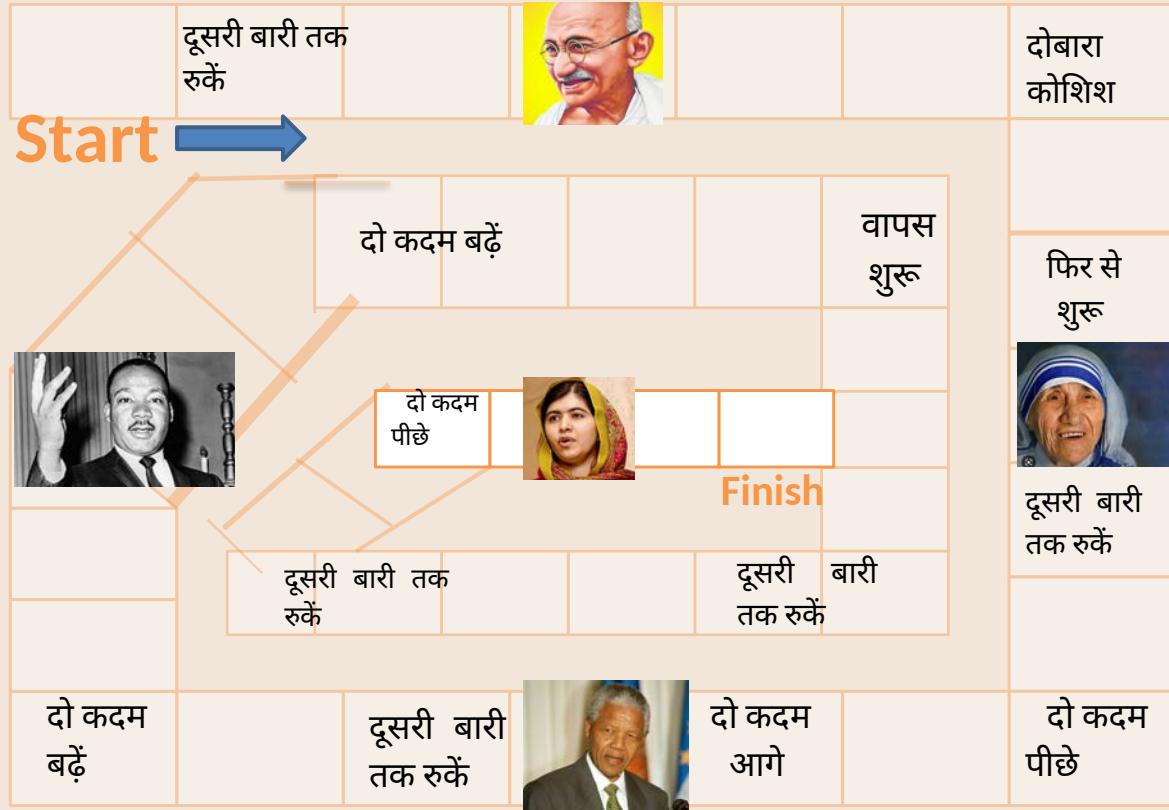
सतत विकास लक्ष्य १६ : शान्ति, न्याय और सशक्त संस्थाएं

असल जिंदगी के नायक: हमारे शांतिदूत

बोर्ड गेम निर्माण - हिंदी का खेल के साथ एकीकरण

नोबेल शांति पुरस्कार (स्वीडिश भाषा, नॉर्वेजियाई भाषा- Nobels fredspris) नोबेल फाउंडेशन द्वारा विश्व स्तर पर शांति के लिए किए गए प्रयासों के लिए दिया जाता है। यह **स्वीडन के उद्योगपति, आविष्कारक, और आयुध निर्माता अल्फ्रेड नोबेल** की इच्छा से स्थापित पाँच नोबेल पुरस्कारों में से एक है। इसके साथ ही रसायन विज्ञान, भौतिकी, शरीर क्रिया विज्ञान या चिकित्सा और साहित्य में भी सालाना रूप से नोबेल पुरस्कार प्रदान किए जाते हैं।

इनके विषय में महत्वपूर्ण जानकारी को विद्यार्थी अधिक रोचक तरीके से जान सकें इसलिए वह **समूह में** इस विषय पर **नीचे दिए गए प्रारूप की सहायता से A3 शीट और कार्डबोर्ड पर एक बोर्ड गेम तैयार करेंगे**। जिसे कक्षा में खेला जाएगा जो कि **खेल-खेल में सीखो** की प्रवृत्ति से प्रेरित होगा। समय-समय इस बोर्ड गेम की सहायता से विषय की पुनरावृत्ति भी संभव हो पाएगी। इस खेल के द्वारा बच्चे न केवल नोबेल शांति पुरस्कार प्राप्त करने वाले विशेष लोगों के विषय और उनके जीवन से जुड़ी महत्वपूर्ण जानकारियाँ स्वयं प्राप्त करेंगे बल्कि इसे अपने सहपाठियों के साथ साँझा करने में भी सक्षम होंगे।



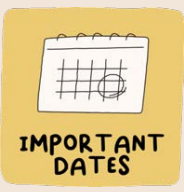
बोर्ड गेम के लिए आवश्यक सामग्री

- A3 साइज़ शीट
- एक कार्डबोर्ड
- स्टेसनरी
- नोबेल पुरस्कार विजेताओं की छोटी सी फोटो
- 5 प्रश्न कार्ड (question card)
- एक डाइस
- खेलने के लिए गेम टोकन



खेल के नियम -

- यह खेल 4 से 5 बच्चों के समूह में खेला जाएगा। बच्चों को कक्षा अध्यापिका द्वारा अनुक्रमांक वार समूह में बांट दिया जायेगा।
- समूह का कुछ बच्चे हर शांति पुरस्कार प्राप्तकर्ता के विषय में सामान्य जानकारियों से संबंधित पाँच प्रश्न कार्ड तैयार करेंगे।
- बच्चे बोर्ड गेम में लिखे निर्देशों के अनुसार खेल खेलेंगे और नोबेल शांति पुरस्कार विजेता वाले कोष्ठक (बॉक्स) में पहुँचने पर उन्हें उस व्यक्ति के जीवन से जुड़े पांच में से कम से कम तीन प्रश्नों के सही ज़बाब देने पर ही वह आगे पढ़ पाएगा।
- सभी प्रश्नों के सही उत्तर देकर खेल पूर्ण करने वाला बच्चा विजेता होगा।



| DATES OF SUBMISSION | 27 JAN | 28 JAN | 29 JAN |
|---------------------|--------|--------|--------|
| ROLL NO | 1-20 | 21-40 | 40-50 |

