



CLASS VIII HOLIDAY HOME-WORK

ENGLISH

Based on the chapter, "From Storytelling to Film making", watch any of these films mentioned below- Avengers: Infinity War, Mission : Impossible- Fallout, Razi, Hotel Transylvania 3: Summer Vacation in the winter break. Using Adobe Spark software write a digital film review analysing the different aspects of the film: direction, editing, cinematography, storyline and soundtrack.

In the grammar notebook, do the assignment for the month of December

हिंदी

1. 'एडोब डिजिटल दिशा' कार्यक्रम के अंतर्गत डिजिटल रचनात्मकता को बढ़ाने और सीखने की प्रक्रिया में बदलाव लाने हेतु (पुस्तक मेले पर आधारित) एडोब स्पार्क का उपयोग करते हुए एक विज्ञापन तैयार करके कक्षा के ई-मेल आई डी पर मेल कीजिए ।
2. दिसंबर माह की कार्यपत्रिका पूर्ण कीजिए ।
3. आगामी परीक्षा की तैयारी कीजिए ।

संस्कृत

व्याकरण पुस्तक के "संख्यावाचि शब्दाः" पाठ के आधार पर अपनी कल्पना के अनुसार विद्यालय परिसर के विविध चित्रों का स्लाइड्स पर प्रयोग करते हुए ADOBE सॉफ्टवेयर के अन्तर्गत एक पी. पी. टी. तैयार करे तथा संस्कृत में संख्यावाचक शब्दों का प्रयोग करते हुए पांच वाक्य भी लिखें ।

FRENCH

1. Prepare a PPT or video on the situation given below using Imperatives in French:
2. 'Exams are approaching, your parents are advising you to study'
3. Create a dialogue between you and your parents using Adobe Spark and mail it on 'mohitbhola@yahoo.in'. Kindly write your name and class in the subject column of your email.

L'IMPÉRATIF



MATHS

Make a presentation explaining different aspects of **The Golden Ratio** assigned to you by making a video or PPT using either **ADOBE SPARK OR MICROSOFT SWAY** consisting of at least 8 slides.

- **Golden Ratio in real life** (Roll No 01-10)
- **Golden Ratio in nature** (Roll No 11-20)
- **Golden Ratio & Fibonacci series** (Roll No 21-30)
- **Golden Ratio in architecture** (Roll No 31-40)
- **Golden Ratio in humans** (Roll No 41-50)

Kindly write your name and class in the subject column of your email.

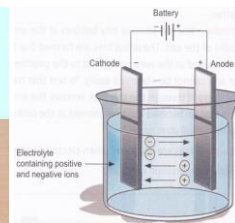
Class	Teacher In charge	Email id
VIII A	Ms Subha R	class10b@nd.balbhharati.org
VIII B	Mr Anoop Dixit	class10c@nd.balbhharati.org
VIII C	Ms.Namrta Kaushik	class6d@nd.balbhharati.org
VIII D	Mr.Anshul Dubey	anshul.dubey@nd.balbhharati.org

SCIENCE

1. Make a presentation explaining about:
 - a. **Principle of electrolysis** (to be undertaken by even roll nos.)
 - b. **Applications of pressure in our daily life** (to be undertaken by odd roll nos.)

Making a video or PPT using either **ADOBE SPARK OR MICROSOFT SWAY** consisting of at least 8 slides.

2. Under the aegis of environment club, a workshop on "Say No to Plastic" will be organized on 7th January. As a pre- requisite you are required to answer few questions as pre workshop survey on the given link: <https://docs.google.com/forms/d/e/1FAIpQLSeNZtRjTpVif-f4Y6MQzAHoSHCo7B5PAkdszNQCvBg5by876w/viewform>.



SOCIAL SCIENCE

- In an effort to foster the spirit of national integration and make 'Ek Bharat Shrestha Bharat' (EBSB) programme a prime campaign, the state of Uttar Pradesh has been paired with Arunachal Pradesh and Meghalaya. Students are required to prepare a video or PPT using **ADOBE SPARK** on the **handicrafts** associated with the above mentioned two states of India. Roll Nos. 1 to 24 are to prepare a video on the **same** and roll no. 25 onwards to prepare a PPT on the **same**.
- **Assignment for the month of December to be completed in your respective notebooks.**

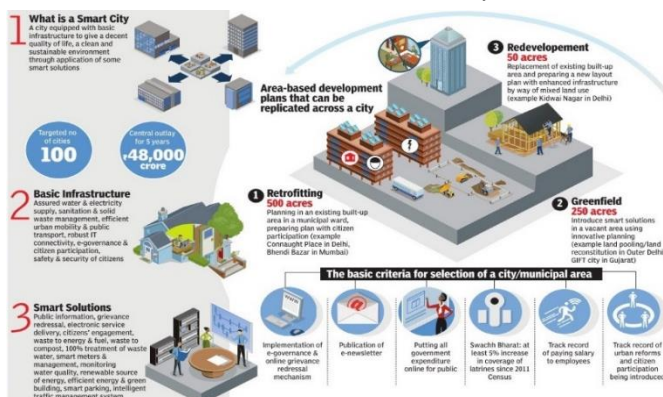


INFORMATION TECHNOLOGY & ARTIFICIAL INTELLIGENCE

A. A smart city is an urban development vision to integrate Information and Communication Technology (ICT), AI & Internet of Things (IoT) Technology in a secure fashion to manage a city's assets. These assets include local departments' information systems, schools, libraries, transportation systems, hospitals, power plants, water supply networks, waste management, law enforcement, and other community services.

Considerations for the Smart City:

- Pedestrian Detection
- Lane tracking
- Automatic pedestrian crossings
- Smart transport
- Automated hospitals
- Automated schools
- Automated hotel check-ins
- Automated supermarkets
- Use of cameras in the Smart City
- Number of devices connected
- Security



Students are free to use their imagination and add more features to the above list and visualize their smart city. Design your "Smart City" implementing all AI based features to make it futuristic and greener. **Present your plan as a webpage created using spark.adobe.com (Refer to Circular No80 dated 14 November19)** and include the following:

- Give the name of your Smart City.
- Explain the features of your Smart City.
- Do you think using all IoT enabled things will keep your data secure? Add Data Protection features to your Smart City.
- Highlight different security considerations.

Students to mail the webpage link to it.hw@nd.balbharati.org latest by 10 Jan 2020.

B. Try these python programs (take necessary input from the user) and write the code in your IT notebook:

1. To calculate Simple Interest using the formula $SI = (P * T * R) / 100$.
2. Input a number and find whether it odd or even.
3. Input radius and find the area and perimeter of circle.
4. Input 3 sides of triangle and find whether the triangle are right angle triangle (Hint: In a right angled triangle, the square of the longest side is equal to the sum of the squares of the other two sides)
5. Input integer value for variable a and b and then find the sum of $1/a + 1/b$.
6. Input value for variable x, y and z and find the value for expression - $\{x * (y - z)\} - 5$
7. Input 2 numbers and print the bigger one
8. 7-metre roll of string costs ₹28.00. What is the unit price? Solve using Python code.
9. Find the product of first 5 odd numbers.
10. Calculate the sum and average of all numbers from 50 to 100. Use loop.

C. Write the output for the following python code in your IT notebook:

1. a=100 b=250 print(a/b)	2. a=50 print(a**4)	3. a=7 for i in range (0,5): print(a)	4. a=12 for i in range (0,5): print(a) a+=1
---------------------------------	------------------------	---	--