

FLORENCE INTERNATIONAL SCHOOL[®]

(Senior Secondary Affiliated With C.B.S.E | ISO 21001:2018 Certified)

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Grade-9 (Session: 2021 - 2022)

Winter Holiday Homework

Enjoy Winter Break!



General Instructions:

- Do not spend time watching T.V or mobile.
- Go out and play.(Do not forget to wear masks)
- Revise all the work done till date in all the subjects and prepare for Periodic Test 2.
- Do the given activity work on A4 size sheets, subject-wise and keep it in separate folders. Remember to write your Name, Class and Section.
- India is a land of diverse culture.To know more about our cultural heritage the Theme for the winter holiday homework is Maharashtra.

S.No.	Subject	Homework
1.	English	<ul style="list-style-type: none">• Paste any 5 pictures of persons associated with Marathi, literature and write a paragraph about any 3 of them of each in the notebook.
2.	Hindi	<ol style="list-style-type: none">1. महाराष्ट्र की संस्कृति पर एक लेख लिखें। (शब्द-सीमा-250)2. किन्हीं दो विषयों पर नारा-लेखन करें। (3. औपचारिक व अनौपचारिक पत्रों का प्रारूप लिखें व उनका एक-एक उदाहरण (पत्र) भी लिखें। <p>यू. टीका पाठ्यक्रम याद करें</p>
3.	Science	<p>Q.1 Make a colourful beautiful 3-D Atomic model on the topic "Structure of atom".</p> <p>Q.2 Do the following questions in the Note Book :-</p> <ol style="list-style-type: none">1. A proton is usually represented as2. When alpha particles are sent through a thin metal foil, most of them go straight through the foil because.....3. A neutron is represented as4. Many elements have non-integral masses because5. Two atoms of the same element are found to have different number of neutrons in their nuclei. These two atoms are6. An atom which has a mass number of 14 and 8 neutrons is an isotope of7. The mass of proton is8. Ar (40) and Ca (40) have the same mass number but their properties are entirely different. Give reason.9. Define atomic number. Why is it called the main characteristic property of the elements?10. Who proposed the existence of neutron and what was the basis of this assumption?11. What type of information is obtained about the atom by Rutherford particle scattering experiment?12. Give the application of isotopes in industry and in medicine.

4.	Social Science	<p>1. Collect the pictures of Dharavi one of the most populated slum in Asia situated in Maharashtra. Prepare a report on the various economic activities people are engaged in.</p> <p>2. Suggest some measures which government should adopt to reduce the sufferings of the slum people.</p>
5.	Mathematics	<p>Q1-Find whose inventions are : (In a file)</p> <p>(A)Formula $(a + b)^2 = a^2 + b^2 + 2ab$</p> <p>(B)Introduction to zero</p> <p>(C) Any number divided by zero is infinity</p> <p>Also, write biography and short note on their work.</p> <p>Q2- Complete the Assignment in your copies.</p> <p>Q3- Complete Activity 8, 11,12, in your Lab manual books.</p> <p>Q4- Practice all the chapters completed till now.</p>
6.	Computer	<ul style="list-style-type: none"> • Revise the syllabus for PT 2 • Make a powerpoint presentation on maharashtra. <ul style="list-style-type: none"> *Marathi Dishes *Historical monuments * A Marathi emperor

