

THE ADITYA BIRLA PUBLIC SCHOOL BHUBANESWAR



ADITYA BIRLA GROUP



SUMMER HOLIDAY HOMEWORK

CLASS- VIII



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" The true teachers are those who help us think for ourselves." - Sarvepalli Radhakrishnan

THE ADITYA BIRLA PUBLIC SCHOOL BHUBANESWAR
SUMMER HOLIDAY HOMEWORK
CLASS: VIII

SUBJECT: ENGLISH

Written Work	As our modern society gets more resource-intensive, natural spaces are shrinking and wildlife numbers are declining. Write an essay on 'Wildlife conservation' (in 200- 250 words). Write in your Literature notebook.
Activity	Take a virtual tour of 'Wildlife in Africa'. You may refer: https://youtu.be/mF3Pxwe5II0 Make a list of Native African Animals.
Model /Project	You have come across different types of wildlife sanctuaries in "We are all family". Make a ppt (Not more than 10 slides) on the wildlife sanctuaries of Odisha and Punjab highlighting the endangered species that are protected in these forests. Forward it to your English DPP group.

SUBJECT: HINDI

Written Work	लाख के बारे में निम्नलिखित शीर्षकों के आधार पर जानकारी जुटाइए- (अपने गृहकार्य अभ्यास पुस्तिका में लिखिए ।) ◦ उपज और उत्पादन की प्रक्रिया । ◦ लाख के उपयोग से निर्मित वस्तुएँ । ◦ लाख के उत्पादन और वस्तु निर्माण में संलग्न राज्य के नाम ।
Activity	घर में चिड़ियों के लिए दाना-पानी रखिए । उनके लिए छोटे-छोटे घर (घोंसला) बनाकर आस-पास रखिये । उनके व्यवहार में होने वाले परिवर्तन का अवलोकन कीजिए ।
Model /Project	भारत के पूर्व प्रधानमंत्री माननीय अटलबिहारी वाजपेयी एक कुशल वक्ता होने के साथ-साथ सुप्रसिद्ध कवि थे । इनके जीवन पर आधारित परियोजना तैयार कीजिए । इसके लिए मल्टीमीडिया का प्रयोग करते समय ग्राफिक्स, तस्वीरें, ध्वनि आदि की सहायता से दृश्य-सामग्री प्रस्तुत कीजिए ।

SUBJECT: ODIA

Written Work	୧-ବୃକ୍ଷ କିପରି ନିଜର ସର୍ବସ୍ୱ ଦାନ କରି ଅନ୍ୟ ର ଉପକାର କରିଥାଏ ବର୍ଣ୍ଣନା କର । ୨- ନିମ୍ନଲିଖିତ ଶବ୍ଦ ଗୁଡ଼ିକର ଅର୍ଥ ଲେଖ । ଘର୍ମ, ନିବାଘ , ସୁଜନ, ଚରୁ, ମାହାତ୍ମ୍ୟ
Activity	'ଉଦବୋଧନ' କବିତାଟିର ଭିଡ଼ିଓ ଚିତ୍ର ଦେଖି ଆମ ଜନ୍ମଭୂମି ବିଷୟରେ ତୁମ ମନରେ ଆସୁଥିବା ଭାବନାକୁ ଉଲ୍ଲେଖ କର । https://youtu.be/mLYwe6Y7CDw
Model /Project	ଓଡ଼ିଶାର ଯେକୌଣସି ଏକ ଐତିହ୍ୟ ସ୍ଥଳର ଚିତ୍ର ଚାଟି ପେପରରେ ଅଙ୍କନ କରି ନିଜର ବିବରଣୀ ପ୍ରସ୍ତୁତ କର ।

"When we think we know we cease to learn." - Sarvepalli Radhakrishnan

SUBJECT: SANSKRIT

Written Work	बालकः , बालिका , माता , राजन् , तत् (पुलिङ्ग , स्त्रिलिङ्ग , नपुसक लिङ्ग) उत्तर पुस्तिकायां लिखित्वा कण्ठस्थि करणं कुर्वन्तु । गम् , पठ , खाद् , धातुरुपाणि लिखित्वा अभ्यासं कुर्वन्तु ।
Activity	गल्पं श्रुत्वा स्वकियम् गल्पं प्रस्थुयते https://youtu.be/qu-fZ63KmU
Model /Project	अष्टावक्रस्य चित्रं रचयित्वा तस्य विषये पञ्च वाक्यानि लिखत

SUBJECT: MATHEMATICS

Written Work	Write the answers to the following questions in your Mathematics Homework Notebook: <ol style="list-style-type: none">1. Write square and square roots from 1 to 30.2. Write cube and cube roots from 1 to 20.3. Write properties of Rational numbers with examples.4. Write Law of exponents by using examples.5. Find three rational numbers between $\frac{2}{3}$ and 1.6. There are approximate 1260000000000 litre of water on the earth, express these in standard form.7. The postal service of India delivers about $2^6 \times 5^2$ pieces of mail each second. There are $2^{15} \times 3^7 \times 5^7$ seconds in 7 days. How many pieces of mail does the Indian postal service deliver in 7 days?8. Represent $\frac{8}{5}$ on the number line.
Activity	Collect information on HARDY RAMANUJAN NUMBER and write on your Activity Notebook
Model /Project	Make a Maths Model on Additive Inverse. You may refer: https://youtu.be/9xU20cBsTZM

SUBJECT: SCIENCE

Written Work	Physics- Write the answers to the following questions in your Physics Notebook: <p>Why is the invention of wheel considered as an important step of development in the history of science? When two balloons are rubbed with woollen cloth are brought close to each other, they repel. Write a reason for it.</p> Chemistry- Write the symbols of the Radicals as given to you in our DPP group, in our Notebook and memorize them. Biology- Write the answers to the following questions in your Biology Notebook: <ol style="list-style-type: none">1. Write a short note on the causative agents, carriers, symptoms, preventive measures, and line of treatment for any five diseases each caused by Protozoa, Bacteria and Virus in HUMANS.2. Write about the different types of fertilizers used in the Indian agricultural fields.
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"Books are the means by which we build bridges between cultures." - Sarvepalli Radhakrishnan

Activity	<p>Chemistry- Write about any five chemistry experiments which you can perform at home from the common items of daily use or Surf Internet and extract information about different types of low-cost model making related to Chemistry and write a report on it of maximum 10 pages in A4 sized papers. Take a printout of it and submit the same on the date of submission.</p> <p>Biology- Prepare a PPT of maximum 10 slides on the topic “The Future of Organic Farming in India” and take a printout of it, and submit the same on the date of submission,</p>
Model /Project	<p>Biology- Make a working model on Drip-water /Sprinkle irrigation system.</p> <p>Physics- Prepare a model on Force and friction, or pressure from your course-book choosing a medium of your choice.</p>

SUBJECT: SOCIAL SCIENCE

Written Work	<p><i>Write the answers to the following in your respective Subject Notebook:</i></p> <p>Geography</p> <ol style="list-style-type: none"> 1. What is resource? 2. Give some of example of biotic and abiotic resources? 3. Distinguish between Renewable and Non-renewable resources? 4. Write the name of some major mountain ranges, plateaus, and plains of the world? 5. Give the details of land use pattern in India? <p>History</p> <ol style="list-style-type: none"> 6. What is the problem with the periodisation of Indian history that James Mill offers? 7. Why did the British preserve official documents? 8. How will the information historians get from old newspapers be different from that found in police reports? 9. Can you think of examples of surveys in your world today? Think about how toy companies get information about what young people enjoy playing with or how the government finds out about the number of young people in school. What can a historian derive from such surveys? 10. Elaborate the contributions of Dadabhai Naroji to Indian History.
Activity	<p><i>Complete the following activity in your Geography Notebook:</i></p> <ol style="list-style-type: none"> 1. Draw a labelled diagram of a soil profile. 2. Draw a map of soil distribution of India.
Model /Project	<p><i>Make a project file (maximum 20 pages) on the given topic:</i></p> <p>“21st century’s iconic events- A Timeline” is to be discussed in four aspects: Political, economic, social, and cultural</p>

SUBJECT: COMPUTER SCIENCE

Written Work	<p><i>Write the answers to the following questions in your Computer Notebook:</i></p> <ol style="list-style-type: none"> 1. Recently, a robot was developed by a Hong-Kong based company. It would speak to people, answer questions, and hold simple conversations. Which technology is used in creating this robot? 2. Ananya wanted to purchase a new mobile phone. She checked and compared the prices of the phone that she wanted as sold by different sellers on a price comparison website. Which technology is being used here? 3. Sanya’s sister wanted to buy a new pair of sunglasses, but she did not have the time to go to a store. Sanya suggested a few websites where she could try on sunglasses
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“Knowledge gives us power, love gives us fullness.” - Sarvepalli Radhakrishnan

	<p>sitting at home without having to go to the store. Which technology is being used by these websites?</p> <p>4. Why is Artificial intelligence a challenging field? Why is it seen as a potential threat by some people?</p> <p>5. Explain why the traditional method of storage and searching technique is now obsolete.</p>
Activity	Collect the pictures of the applications of Augmented Reality and Virtual Reality and create a collage. Collect at least 10 such pictures and create a collage on a chart paper.
Model /Project	<p><i>Create a Power-point Presentation on any one of the given topics and send it in Computer DPP group.</i></p> <ol style="list-style-type: none"> 1. Augmented Reality versus Virtual Reality 2. Artificial Intelligence 3. Internet of Things (IoT) 4. Big data Analytics

Did you know?

- **The full form of UPI payment is Unified Payment Interface.**
- **Rajasthan Royals won the first Indian Premier League in 2008.**
- **Krishna Parijatha Dance is a folk dance of Karnataka.**
- **Steve Chen, Jawed Karim & Chad Hurley are said to be the founders of the World's famous Video site " YouTube".**

*"A life of joy and happiness is possible only on the basis of knowledge and science."
- Sarvepalli Radhakrishnan*