



RAJA RAMMOHAN ROY ACADEMY

"Learning, laughter, and lovely summer days!"

**Dear Parents,
Greetings!**

Summer vacation is a wonderful time for children to relax, refresh, and explore new learning experiences. To keep our students engaged in productive and creative activities during the holidays, we have prepared the Summer Holiday Homework.

The homework has been designed to enhance your child's creativity, thinking skills, and subject knowledge in an enjoyable way. We kindly request you to encourage and guide your child to complete the work neatly and sincerely within the given time.

Motivate your child to develop reading habits by encouraging him/her to read books and practice writing daily. Kindly limit excessive screen time and involve your child in creative and outdoor activities. Ensure that your child follows a healthy routine with proper sleep, exercise, and nutritious food.

We hope your child enjoys the holidays while learning something new every day.

Wishing you and your family a happy, safe, and joyful summer vacation!

**Warm regards,
Raja Rammohan Roy Academy**

	<ul style="list-style-type: none"> छात्रों की भूमिका तथ्य, चित्र, नक्शा, और सुझाव लिखिए। (b) पाठों की गोद से - उत्तिंड पि हिशेष प्रोजेक्ट (c) ईमानदारी बिगदकेपेड़ की तिस्रोती है हजसका प्रभा दे से पड़ता है पिंतु हिस्थायी िसता है। उपयुक्त कथन को स्पष्ट किते हुए ईमानदारी पि एक चित्र-सहसत मौहिक कसानी लिखिए। <p>2. उपन्यास 'नया िस्ता' केमुख्य पात्रों अहमत और मीनू का िरित्र-चित्रण कीहजए। समस्त काय चित्र सहसत कीहजए।</p>
Mathematics	<p>Make a project on any two topics from the list provided below.</p> <ol style="list-style-type: none"> Conduct a survey of a group of students and represent it graphically - height, weight, number of family members, pocket money, etc. Planning delivery routes for a postman/milkman. Running a tuck shop/canteen. Study ways of raising a loan to buy a car or house, e.g., bank loan or purchase of a refrigerator or a television set through hire purchase. To use flat cutouts to form cubes, cuboids, and pyramids to obtain formulae for volume and total surface area. <p>Project Structure:</p> <ol style="list-style-type: none"> Bonafide Certificate Aims and Objective Concepts Preface Acknowledgment Contents Introduction to the Topic (varies by topic) Five examples relating to the topic (varies by topic) Graphs (Bar Graph/Pie Chart/Histogram) if needed (varies by topic) Bibliography (varies by topic) Conclusion <p>*Revise all the exercises of chapter 1 to chapter 4 in separate notebook. (Including all examples)</p>
Physics	<ul style="list-style-type: none"> A. In the interleaf practical file, write the following: - Experiment No 1- To determine the length of a given object using Vernier Callipers. Experiment No 2- To determine the thickness of given wire using Screw Gauge. Draw the relevant and necessary diagrams too on the blank side of practical file. B. Learn Ch - 1 Measurements and Experiment and Ch - 2 Motion in One Dimension. C. Practice solving examples and numerical of exercise 1(a), 1(c), 2(a), 2(b) and 2(c).
Chemistry	<p>1. Do the following experiments in a practical file as per the instructions given in the class.</p> <p>Experiment 1 - To recognize and identify an unknown gas by dry test Experiment 2 - To study the effect of heat on the given substances. Experiment 3 - To study the action of dilute sulphuric on given substances. Experiment 4 - To identify the metal in the unknown substances using flame test.</p> <p>2. Learn Valency chart and practice balancing of chemical equation in a separate thin notebook.</p> <p>3. Do corrections of First Unit test paper and Paste and solve the other set of Unit Test Paper in the notebook.</p> <p>4. Revise Chapter Practical Chemistry</p>
Biology	<p>To prepare a project of maximum 10 pages on types of tissues or Animal kingdom along with the labelled diagrams</p>

History/Civics	<p>Prepare a Project on any one of the following topics as per the ICSE guidelines</p> <p>1. Discuss the Art and Architectural features of the following monuments in detail: Iron-Pillar Mehrauli, Buddhist caves Ajanta, Gol Gumbaz Bijapur.</p>
	<p>2. A comparative study of the Harappan and the mesopotamian Civilization</p>
Geography	<p>1. A record file having any three of the following exercises -</p> <p>(a) Uses of important types of maps. (b) Directions and how to identify them - an illustrative diagram. (c) Reading and using statement of scale, graphic scale and scale shown by representative fraction method. (No drawing work, only explaining their meanings). (d) Drawing and recognising forms of important contours viz. valleys, ridges, types of slopes, conical hill, plateau, escarpment and sea cliff.</p> <p style="text-align: center;">OR</p> <p>2. Prepare a project report on any one topic. The topics for assignments may be selected from the list of suggested assignments given below.</p> <p>Suggested list of Assignments-</p> <p>a) Weather records- Maintaining and interpreting weather records as found in the newspaper for at least one season. b) Collection of data from secondary sources (Using Modern technique i.e. GPS, Remote Sensing, Aerial Photography and Satellite imageries)- Prepare a Power Point presentation on current issues like-Use of earth resources / development activities / dangers of development and ecological disasters like droughts, earthquake, volcanoes, floods, landslides, cyclones and tornadoes in the world. c) Collect information on global environmental issues and problems and communicate your findings through appropriate modes (posters, charts, collages and Power Point presentation) d) Meteorological Instruments and their uses - Six's maximum and minimum thermometer, mercury barometer, aneroid-barometer, wind vane, anemometer, rain gauge and hygrometer.</p>
Computer	<p>1. Make PPT on Chapter 11 Computing and Ethics. (Minimum 10 Slides)</p> <p>2. Write 10 Java Programs from your text book alone with outputs. Take the printout and Submit after Summer vacation.</p>

Economics App.	<p>Candidates will be required to do a minimum of two assignments.</p> <p>Suggested list of assignments:</p> <ol style="list-style-type: none"> 1. Identify 100 consumers of major brands of edible oils in a locality/ area where you live. Draw up the pattern of their monthly expenditure on this product and compare it with the other household expenditure. Make a presentation of your findings in class. 2. Identify the major brands of bathing soaps that are available in the market in your area. Select a sample of 10 shops/ department stores that sell these brands and collect the sales of these brands over a period of one week at these shops. Identify the brands that sell the most and make a presentation for your class. 3. Make a presentation on the central problems an economy faces. Explain these with reference to the Indian economy. 4. Take a developed country such as the USA and a developing country such as India. Analyze the main characteristics of these economies. 5. Outline the main modes of transport in the district/city you live. What problems do you and other citizens face pertaining to the availability of public transport? Analyse. 6. Take a table of food grain production in India from any textbook on Indian economy or any other secondary source such as internet. Interpret the changes in the production over a given period of time. 7. Given a table of population growth for period between 1971 and 2001 and table of contribution of agriculture, industry and services sector for the same period, compare the two tables and present your findings in the form of a presentation 8. Make a presentation of the major trading partners of India in the last 15 years. Specify the major changes that have taken place in the last five years. 9. What are the major items of export and imports from India in the last five years? Use secondary data sources and make out the changes that have taken place in this context <p>GENERAL INSTRUCTIONS:</p> <ol style="list-style-type: none"> 1) Both the projects to be done in the same project file.
	<ol style="list-style-type: none"> 2) The project work has to be supported with recent data and pictures 3) The project should be done independently. 4) The project should be neatly done on Interleaf project papers and in good handwriting. Each project should be of around 20-30 pages, which means the whole project work should be of 40-50 pages. 5) Follow the given sequence for the project- i) Acknowledgement, ii) Certificate, iii) Index, iv) Content and v) Bibliography
Home Science	<ol style="list-style-type: none"> 1. Food and nutrition -Preparation of a nutritious snacks using different method of cooking. 2. Textiles and clothing- Identification of fabric cotton, wool, silk and comparing them on the basis of cost, durability appearance and suitability. 3. Resource management- Gardening: Planting of herbs and medicinal plants and taking care of them. 4. Communication and extension- Collecting information about global environmental issues and problems and communicating the information through appropriate modes of communication such as posters ,charts, collages, cartoons hangouts, letters etc all concerned.
Physical Education	<p>Make a project file on the topic (Volleyball and Football)</p> <p>The project must contain at least 20 pages per game.</p>
Art	<p>Purchase a resin art kit and use the materials provided in it to create a beautiful decorative item creatively</p> <p>You may make keychains, coasters, bookmarks wall hangings, or any other attractive resin craft with neat finishing.</p> <p>Bring your completed resin artwork to school after the holidays with your name and class written properly.</p>