

PAKISTAN INTERNATIONAL SCHOOL QATAR

SESSION 2017-18

Summer Vacation Home Work (Girls' Wing / Boys Wing)

Class XI (Science & Science Gen. Group)

Important Note: Learn all the work done in Books and Note Books. Do written practice of your learning keeping in view First Term Exam / Pre-Board Exam.

S.#	Subject	Detail of Home work
1	English	<p>1. Create a Project on Essay Writing. Following aspects should be explored:</p> <ul style="list-style-type: none"> • Definitions of term " Essay" • Give an account of the development of Essay Writing from the beginning to date. • Structure and format of an "Essay" • Types of Essays with explanation of each type. • Importance of Essay writing for student <p>2. Write Essays on the following Topics in 350 to 500 words:</p> <p>a. Altruism(misuse of force under the pretext of doing good) b. Effects of Technology on Human Relationships</p> <p>Steps to be followed: Prior to writing the Essays, take the following steps:</p> <ul style="list-style-type: none"> • Ponder and make observations to collect some ideas on each topic. • Search each Topic in a library or through internet. • Design a Questionnaire to conduct a survey on each topic. • Also interview your parents, near and dear ones. • Jot down the key sentences and supporting arguments. • Write rough draft of each Essay. • Use examples and illustrations • Cite data (facts, statistics, evidence, details, etc.) • Examine testimony (what other people say such as quotes and paraphrases) • Use an anecdote or story • Define terms in the Essays • Compare and contrast • Review and Edit the first draft of each Essay. • Prepare a second draft of each Essay and check it for any mistake. • Write Fair Essays to be submitted. <p>Note: File all the research work in addition to the essays on the given topics.</p>
2	Urdu	<p>"مقدمہ شعر و شاعری از مولانا الطاف حسین حالی" کی خواندگی اور "بلاک اوٹل" میں شامل نصاب کو یاد کرنے کے علاوہ درج ذیل کو کاپیوں پر تحریر کرنا:</p> <p>1- سالانہ جلسہ تقسیم اسناد کی روداد لکھیے۔</p> <p>2- انٹرنیٹ کے موضوع پر دو دوستوں کے درمیان مکالمہ تحریر کیجیے۔</p> <p>3- بنیادی مرکز صحت کے قیام کے لیے ڈسٹرکٹ چیئر مین کے نام درخواست لکھیے۔</p> <p>4- مکان کے کرائے کی وصولی کی رسید لکھیے۔</p>
3	Physics	<ul style="list-style-type: none"> • Research Project: Generate a research project on Renewable Sources of Energy. <p>Instructions: <i>Research should be based on following areas:</i></p> <ul style="list-style-type: none"> ➤ Introduction of Renewable Sources of Energy. ➤ Types of Renewable Sources of Energy. ➤ Choose any four of them and discuss advantages and disadvantages of chosen sources of energy. <p>Scope: Your project should be either an essay between 1000 and 1200 words or 30 slides for PowerPoint Presentation.</p> <p>References: This project should have at least 5 references:</p> <ul style="list-style-type: none"> • Visit the link (www.fbise.org.pk) to solve all the past papers. • Make Practical Note Book according to instructions given in the class.

4	Chemistry	<p>Task 1: Submit a Research Article on “Wave Nature of Electron”. Following aspects should be covered and the articles should be substantiated with figures and examples.</p> <ol style="list-style-type: none"> The effect of uncertainty principle is significant only for the motion of microscopic particles and is negligible for the macroscopic particles. Why a change in Bohr’s Model was required? Due to which important development, the concept of movement of an electron in an orbit was replaced by the concept of probability of finding of electron in an orbital? What is the name given to the modified model of atom? <p>Task 2: Write down the electronic configuration of d-block elements.</p>
5	Biology	<p style="text-align: center;"><u>Animal Phyla Research Project</u></p> <p><u>Introduction:</u> The goal of this assignment is to introduce you to the nine major phyla of the animal kingdom. You will investigate various websites to research the phyla in order to complete the information chart.</p> <p><u>Task:</u> Search each of the nine phyla and complete the information chart showing the following information.</p> <ul style="list-style-type: none"> ➤ Characteristics that define the phylum-all members share these. ➤ Habitat-where they are found throughout the world? ➤ What do they eat? Who eats them? ➤ What types of cellular organization do most exhibit? ➤ List at least three interesting facts. ➤ Mention at least four examples of organism in each phylum. Include their common names and scientific names. <p>Please remember to site all sources for the images and information. Complete the practical note books.</p>
6	Mathematics	<ul style="list-style-type: none"> ➤ Prepare a Research Article on Applications of Algebra and Trigonometry in daily life, giving at least ten solved examples from algebra and 5 from trigonometry. ➤ Solve all the Mcqs and questions from unit 1,3, 4 and 5 available on www.mathcity.org ➤ Solve past papers available on the above website or the official website of FBISE.
7	Computer	<p>Learn CH# 1. CH#2. CH#3, CH#5 from new computer book for Pre-board exam. Follow these links to get out of the box information.</p> <ol style="list-style-type: none"> http://dce.kar.nic.in/new%20files/Chapter1-9-07.pdf https://www.slideshare.net/shafaan/chapter-1-introduction-to-data-communication-and-networks Visit this Link for Past Papers of FBISE (http://www.fbise.edu.pk/syllabusHSSC-I.php)
8	Statistics	<p>Task #1 Submit Research Article on “Parents’ Engagement in Their Child’s Education” Parents play a key role in their child’s academic success. You are required to make a questionnaire on the above mentioned topic and conduct a short survey in your family and neighbourhood including parents, relatives and neighbours.</p>
9	Economics	<p>Task : Submit Research Article on : “ Ratio of Change in Price”</p> <p>Activity: Visit a mall, observe the prices of the following commodities for consecutive two weeks and find out the ratio of change in price.</p> <ol style="list-style-type: none"> Oil Sugar Milk Rice Butter <p>Note: No copy paste is allowed. Submit hand written assignments.</p>
10	Islamiyat	<ol style="list-style-type: none"> Islam is a religion of peace. Give your opinion. Search the Quranic references on the following and compare them with modern science. Formation of universe, Importance of mountains, importance of rain. Is Quran a true book? Is it really a word of Allah? What makes it distinct from others? Write in detail.
11	Pak. Culture	<p>Conduct a Survey of your native area: village/city and collect information with reference to the following aspects:</p> <ol style="list-style-type: none"> landform Weather & Climate Effect of climate on life style Fauna & Flora Exports The people and their tribal system Religious Groups Occupational Group Urban and Rural Communities. <p>SOURCE TO BE USED:</p> <ul style="list-style-type: none"> • Inter net • Daily News Paper <p>Survey(make Questioners)</p>