

DAWOOD PUBLIC SCHOOL
Course Outline for the year 2011-2012
Geography
Class VI

Introduction:

Geography is the study of the Earth and its lands, features, inhabitants, and phenomena relating to the sciences of aforementioned. This subject mainly focuses and explores the features of Earth. Build concepts to understand the formation of these natural features.

Geography is often called the "Mother of all sciences" as studying other people and other places led to other scientific fields such as biology, anthropology, geology, mathematics, astronomy, chemistry, among others.

Geography can be broadly classified into two aspects, Physical and Human Geography.

Physical Geography deals with the study of the Natural Features of the Earth's surface, especially in its current aspects, including land formation, climate etc.

Human Geography is a branch of geography that focuses on the study of patterns and processes that shape human interaction with the built environment, with particular reference to the causes and consequences of the spatial distribution of human activity on the Earth's surface.

Aim of Studies:

Course Books:

- International Lower Secondary Geography Book 1 By: Jeenne Liew
- International Lower Secondary Geography Book 3 By: Tan Kim Song

Reference Books:

Secondary Geography By: FEP Publications

Above mentioned course books are the latest edition of Paramount Publication.

To facilitate the students with basic concepts and knowledge about their planet Earth. This will help students to understand the Internal and External force that reshapes the Earths.

Monthly Distribution of Syllabus

Months	Chapter	Topics
August	<ul style="list-style-type: none"> • Introduction to Geography ----- • Our home the Earth. 	<ul style="list-style-type: none"> ➤ What is Geography? ➤ Classification of Geography ➤ Physical Geography <ul style="list-style-type: none"> ▪ Relief and drainage ▪ Weather and Climate ▪ Natural Vegetation and Soil. ➤ Human Geography <ul style="list-style-type: none"> ▪ Population ▪ Settlement ▪ Economic activity ➤ Environmental Geography <ul style="list-style-type: none"> ▪ Human activity ▪ Pollution ▪ Climate Change ----- ➤ The Universe ➤ Galaxies ➤ The Solar System ➤ Planets and their Characteristics ➤ The Earth ➤ Why is life possible on Earth? ➤ Oceans and Continents ➤ Continental Drifting ➤ Evidences of continental drifting ➤ Our Fragile Earth ➤
Objectives & Learning Outcomes		
<ul style="list-style-type: none"> • This chapter facilitates students with the basic knowledge about the subject Geography, its major branches and the key terms and concepts of Geography. • This chapter provides the key information regarding the Universe, Galaxies, Solar System and its planets especially about the Earth. This Chapter also emphasis on the factors that makes the Earth a habitable planet. This chapter will also help to build the student’s concepts regarding gradual evolution of the planet Earth into its current state and the impacts of the human activity on the Earth’s fragile ecosystem, different theories related to the evolution and internal structure put up by the scientist will also be discussed. 		
Projects and Activities: <ul style="list-style-type: none"> ▪ Presentation session ▪ Work Sheet will be provided. ▪ To make an assignment on the topic Why is possible on Earth? 		
September	The Earth landforms	<ul style="list-style-type: none"> ➤ What causes Landforms to be formed? ➤ What are the different types of Landforms? <ul style="list-style-type: none"> ▪ Mountains ▪ Hills ▪ Plateau ▪ Valleys ▪ Plain

	Objectives & Learning Outcomes	
	<p>This chapter includes the basic topics of the Physical Geography related to the identification, location and formation of major landforms, that is Mountains, Hills, Plateau, and Valley etc. this will help to develop the sense in the students to observe and classify land features of Earth.</p>	
	<p>Projects and Activities:</p> <ul style="list-style-type: none"> ▪ Presentation session ▪ Work Sheet will be provided. ▪ Assignment on the topic What are the landforms in your country? Will be given to students. 	
October	<p>Plate Tectonic</p> <p>-----</p> <p>Folding and Faulting</p>	<ul style="list-style-type: none"> ➤ Earth's Internal Structure ➤ Plate Tectonic and Plate Movements ➤ Types of Crustal Plates <ul style="list-style-type: none"> ▪ Continental Plates ▪ Oceanic Plates ➤ Movement of Crustal Plates <ul style="list-style-type: none"> ▪ Convergent Plate Movement ▪ Divergent Plate Movement ▪ Transform Plate Movement ➤ Earthquake and Volcanic Eruptions ➤ Plate Tectonics in Pakistan <p>-----</p> <ul style="list-style-type: none"> ➤ The Folding process ➤ Structure of a Fold ➤ Folds <ul style="list-style-type: none"> ▪ Symmetrical fold ▪ Asymmetrical fold ▪ Overfold ▪ Recumbent fold ▪ Overthrust fold ➤ Landforms resulting from Folding <ul style="list-style-type: none"> ▪ Fold Mountains ➤ The Faulting Process ➤ Types of Fault <ul style="list-style-type: none"> ▪ Normal Fault ▪ Reverse Fault ▪ Tear Fault ➤ Landforms resulting from Faulting <ul style="list-style-type: none"> ▪ Block Mountains ▪ Rift Valleys
	Objectives & Learning Outcomes	
	<ul style="list-style-type: none"> • *-5 This chapter facilitates students with the basic knowledge of Earth's Internal Structure and the causes of movement of Earth's plates. This chapter will also help to build the student's concepts regarding the different types of plate movement and plate boundaries such as Convergent, Divergent and Transform plate movement and the formation of features along the plate boundaries that is Volcanic arc, trench, fold mountains etc. • This chapter provides the basic knowledge of the two geological processes Folding and Faulting, types of fold and fault and major landforms resulting from these processes that are Fold Mountains, Block mountains and rift valleys etc. 	

	Projects and Activities: <ul style="list-style-type: none"> ▪ Presentation session ▪ Work Sheet will be provided. ▪ The students will be asked to prepare a presentation on the Topic of Plate Movements and its results. 	
November	<p style="text-align: center;">Volcanism</p> <p>-----</p> <p style="text-align: center;">Earthquake</p>	<ul style="list-style-type: none"> ➤ Volcanism ➤ Types of Volcanism <ul style="list-style-type: none"> ▪ Underwater Volcanism ▪ Volcanism at destructive plate boundary ▪ Volcanism at Hotspots ➤ Classification of Volcanoes based on type of Lava <ul style="list-style-type: none"> ▪ Acid Lava Volcano ▪ Basic Lava Volcano ▪ Composite Lava Volcano ➤ Classification of Volcanoes based on the frequency of eruption <ul style="list-style-type: none"> ▪ Active ▪ Dormant ▪ Extinct ➤ Volcanoes in Pakistan <p>-----</p> <ul style="list-style-type: none"> ➤ A case study on 2005 Muzaffarabad Earthquake.
Objectives & Learning Outcomes		
<p>This chapter provides the basic information regarding the volcanic activity, its causes and different types of volcanism associated with the different plate boundaries, Classification of Volcanoes on the basis of structure, and their distribution. Effects on human life and activities will also be discussed.</p>		
Projects and Activities: <ul style="list-style-type: none"> ▪ Presentation session ▪ Work Sheet will be provided. ▪ The students will be asked to collect information about any recent volcanic activity. 		
December	Midyear Examination 2011-2012	

January	Rocks and Rock Formation	<ul style="list-style-type: none"> ➤ Rocks, Minerals and Elements. ➤ Rocks. (Definition and general introduction.) ➤ Classification of Rocks. ➤ Igneous Rocks. (Characteristics, Formation and Classification) <ul style="list-style-type: none"> ▪ Intrusive Igneous Rocks ▪ Extrusive Igneous Rocks ➤ Sedimentary Rocks. <ul style="list-style-type: none"> ▪ Mechanically Formed Sedimentary Rocks ▪ Chemically Formed Sedimentary Rocks ▪ Organically Formed Sedimentary Rocks ➤ Metamorphic Rocks. ➤ Rock Cycle
	Objectives & learning outcomes	
	<p>This chapter provides student with the basic key concepts of rock formation via different processes, their classification into different types that is Igneous, Sedimentary and Metamorphic rocks, the processes involved in the formation of different types of rocks. This chapter will also help to build the concept of the rock cycle that is the conversion of rocks from one type to another.</p>	
	<p>Projects and Activities:</p> <ul style="list-style-type: none"> ▪ Presentation session ▪ Work Sheet will be provided. ▪ Students will be asked to write a short paragraph on any one of the rock type. 	
February	Weathering and Erosion	<ul style="list-style-type: none"> ➤ Weathering and Rate of Weathering ➤ Nature of Rocks ➤ Natural Agents of Weathering ➤ Types of Weathering ➤ Physical Weathering <ul style="list-style-type: none"> ▪ Exfoliation ▪ Frost Shattering ▪ Release Of Pressure within Rocks ➤ Chemical Weathering <ul style="list-style-type: none"> ▪ Oxidation ▪ Carbonation ➤ Biological Weathering ➤ Erosion ➤ Natural Agents of Erosion <ul style="list-style-type: none"> ▪ Flowing Water ▪ Winds ▪ Sea Waves ➤ Impacts of Weathering and Erosion on Human Activities <ul style="list-style-type: none"> ▪ Positive ▪ Negative
	Objectives & Learning Outcomes	
	<p>This chapter provides key learning of the concepts of earth external forces that gradually degrades and reshaped rocks and the Earth land feature, the natural agents involve on the disintegration and decomposition of rocks exposed on the earth surface. Elaborate discussion on the difference processes of weathering and impacts of these processes will help to build the students concept</p>	

	Projects and Assignments: <ul style="list-style-type: none"> ▪ Presentation session ▪ Work Sheet will be provided. ▪ Students will be asked to write a short report on the effects of flooding. 	
March	Mineral and Energy Resources	<ul style="list-style-type: none"> ➤ Minerals ➤ Main types of Mineral Resources ➤ Metallic Mineral Resources ➤ Non-Metallic Mineral Resources ➤ Energy Mineral Resources ➤ Mineral Resources Extraction ➤ Mining and Quarrying <ul style="list-style-type: none"> ▪ Open pit Mining ▪ Underground Mining ➤ Drilling ➤ Main types of Energy Resources ➤ Non-Renewable Energy Resources <ul style="list-style-type: none"> ▪ Coal ▪ Petroleum ▪ Natural gas ▪ Nuclear power ➤ Renewable Energy Resources <ul style="list-style-type: none"> ▪ Hydroelectric energy ▪ Solar energy ▪ Geothermal energy ▪ Biomass energy
	Objectives & Learning Outcomes	
	This chapter facilitates student with the basic concept of minerals, types of minerals and the extraction methods of valuable resources from the ground. It will also provide knowledge about the energy resources, type of energy resources and impact of the use of mineral and energy resources of environment.	
	Projects and Activitiess: <ul style="list-style-type: none"> ▪ Work Sheet will be provided. ▪ The students will be asked to write a report on the type of energy resource used in your country. 	
April	Revision	
May	Final Year Examination year 2011-2012	