






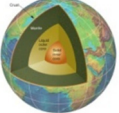


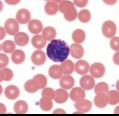



Course Content

Weather		Monday Dec 20, 2010 to Friday Dec 24, 2010 Time 9:00 am to 5:00 pm
	<ul style="list-style-type: none"> All about Temperature - High, Low, Feels Like, Wind speed, Direction, Wind chill, Humidity, Precipitation, Pressure, Sunlight, UV Index, Rainfall, Freezing Rain, Mist, Hail, Snow Meteorology with use of following instruments - Thermometer, Barometer, Wind vane, Anemometer, Humidity indicator, Hygrometer Natural Disasters - Tornado, Thunderstorms, Snow Storms, Hail, Desert storm, Cyclone, Hurricane, Volcano, Earthquakes 	
Greenhouse		Skills development through entertainment and education <ul style="list-style-type: none"> Analyzing Classifying Comparing Communicating Critical thinking Debating Describing Distinguishing Evidence from inferences Drawing and mapping Drawing conclusions Evaluating Evidence gathering Logical thinking Making inferences Observing Organizing data Problem solving Relating Research Role-playing Sorting Working in teams
	<ul style="list-style-type: none"> Make your own greenhouse Germinate seeds Watch Plants grow with water, soil and sunlight See roots develop underground 	
Astronomy		
	<ul style="list-style-type: none"> Learn about Solar System - Sun, Planets, Moon, Stars and Constellation, Comets, Meteors Moon's Waxing and Waning, Witness an Eclipse Craft a planet of your choice Astronauts, Space Travel and Universe 	
Air and Flight		
	<ul style="list-style-type: none"> Make your own Airplane Glider Planes and Dodecahedron Space Shuttle 	
Life Science		
	<ul style="list-style-type: none"> Human Anatomy - Heart, Brain, Body, Skeleton Respiratory, Circulatory, Digestive, Sensory, Nervous, Skeleton systems Cross section of Eye, Ear and Tooth Bones and Fracture using real life-size human X-rays Food, Nutrition and Body 	
Environment and Renewable Energy		
	<ul style="list-style-type: none"> Dynamo – mechanical energy Windmill Generator Hydro electricity generation Solar energy, Wave / Tidal energy 	
Perfume Science		
	<ul style="list-style-type: none"> Chemistry of Perfume making Prepare various fragrances 	
Matter and Material		
	<ul style="list-style-type: none"> Earth's Crust Igneous, Metamorphic and Sedimentary Rocks Minerals, Fossils and Crystals 	
Chemistry Laboratory		
	<ul style="list-style-type: none"> Acids and Bases Instant Snow Slime and Polymers 	
Forensic Science		
	<ul style="list-style-type: none"> Finger printing Secret messages DNA 	
Cells and Microorganisms		
	<ul style="list-style-type: none"> Pollens / spores Textiles Insects, Tiny Creatures Animal and Plant Cells 	
Manufacturing Plant Visit		
	<p>Visit to a Car manufacturing Plant</p> <ul style="list-style-type: none"> Get the real life experience of seeing People and Robots build real Cars (For students of Grade 3 and up only) 	