The Asian International School

SCIENCE

STARTERS 2 LEVEL

I. INSTRUCTIONAL RESOURCES:

1. Textbook: Essential Science 2, Santillana, Richmond Publishing.
2. Online resources: National Geographic Kids

II. COURSE PREREQUISITE

Students who have passed Starter 1 level can study all subjects required in Starters 2. In cases of students with great consistency of English skills, they may request and be assessed for promotion to the next level. They will need to be assessed as part of their application process to the school to enable the correct level of placement.

All entry decisions will be provided by the IP management team.

III. COURSE DESCRIPTION

The 40 minute class period will be used to present the concepts in the text books through a variety of interesting and exciting teaching methods.

Science 2 reaches out from the initial year of science and goes further into the details of weather patterns, earth's resources, plants, animals and food. The students make more in-depth observations and recordings. They study plant and animals life cycles. They also study the different states of water and what materials objects are made of. They learn the difference between natural and artificial light. They learn how machines and computers make people's lives easier.

The aim is to encourage their curiosity and broaden their knowledge and awareness and how it impacts their daily lives.

IV. COURSE GOALS

On completion of Starters 2 level the students will:

1. Have observed similarities and differences between living and non-living things and classified by using techniques such as drawing colored lines, putting stickers in the correct space or handling information in different formats,
2. Have developed understanding of contents and language to go on to more abstract tasks,
3. Have learnt to carry out experiments, analyze and discuss in groups.

V. COURSE OBJECTIVES

At the end of the course, students will achieve higher level of understanding pertaining to the following objectives from AERO Curriculum Framework

LS1.4A	Identify the physical structure of plants Observe, identify and record features of animals Identify the basic needs of animals
LS2.4A	Sort animals and plants by observable characteristics. Identify the basic needs of plants and animals in order to stay alive
LS2.4B	Sort animals and plants by observable characteristics. Identify the basic needs of plants and animals in order to stay alive
LS3.4A	Describe ways plants and animals depend on each other
LS4.4A	The life stages or cycles of organisms The life stages of organism. Sort animals by observable characteristics
ESS1.4A	Explain that patterns in the sky remain stable but appear to move across the sky because of the earth's motion
ESS7.4A	Identify resources we get from the living things Describe various resources that are used by people Observe and describe ways water in daily life, landscape
HS1.4A	More animals Identify different jobs in the service sector Use of computers How machines make our lives easier Emergency services and recognizing their value What a firefighter's uniform is like and appreciating firefighters' work Respect for nature
PS1.4A	Identify the forms of water, how we use water Identify the materials that make up an objects and their characteristic properties Identify sources of artificial light. The uses of electricity and of machines that use electricity
SI1A	Sequence the stages of a life cycle

VI. COURSE REQUIREMENTS

1. Assessments

To measure student progress made in academic learning, this course will include two achievement tests, midterm (30%) and final (50%), accounting for the assigned percentage of the overall course grades. The remaining percentages (20%) of student grades will come from class performance (e.g., activity book and attendance), behavior and attitude.

The summary of assessment is the following:

Midterm test…….30%

Final Test……. 50%

Others…….. (20%): attendance, classroom participation includes quizzes, projects and exercises which will cover text material assigned and presentation of knowledge and ideas.

2. Special Class Activities

Students will also be assigned research projects to develop scientific thinking. They visit the E-library to research information and report back to class with short paragraph conclusion. They record the research in their own handwriting, then learn data entry by computer keyboard and printout their research report submission to their teacher. This is a key skill for students to learn to use, as the future demands the use of hi-tech devices and knowledge.

VII. GRADING PROCEDURE

Students' progress in this subject will be evaluated and measured in accordance with the standard procedures of the school and applied by every teacher teaching the subject. The following tabulation will be followed for the whole academic year.

1. Achievement Test	**80%**
• Midterm Test	30%
• Final Test	50%
2. Other Assessment	**20%**
• Attendance • Classroom participation • Attitude and Behavior • Activity Book	
Special Activities • Online research • Quizzes • Writing	

VIII. GRADING SCALE

This scale is operated to translate letter grades to numerical values and vice versa when computing and calculating student final grades.

LETTER MARKS	RANGE	PERCENTAGES
A	9-10	90-100%
B	8- 8.9	80-89%
C	6.5- 7.9	65-79%
D	5- 6.4	50-64%
F	0-4.9	0-49%

IX. POLICIES

1. Foreign Teacher's Responsibilities

- All foreign teachers are expected to provide rigorous and high level of standards for what an accomplished teacher should know and advocates significant duty and responsibilities to achieve goals and objectives of the subject. Accomplished teachers are dedicated to making knowledge accessible to all students.
- All foreign teachers should be committed, dedicated, responsible mentors to their students learning process and progress. Ready in their everyday teaching of the lesson with well-equipped teaching materials and complete lesson plan. Follow

the sequence of the syllabus and apply the modern approach of teaching using technology.

- All foreign teachers should attend scheduled trainings and seminars for reflective professional development that links to the new research program and projects of the organization for the new discovery approach and techniques of teaching. Accomplished teachers should maintain the professionalism at all times.

- All foreign teachers are expected to write and express explicit comments with fair judgment based on their class standing and abilities without any prejudices and partiality and write correct marks on their report card of each semester and other related significant contribution to the progress of every student.

2. Student Responsibilities

- All students must respect teachers and other students at all times. This includes their responsibility in knowing the school rules and regulations. Students are responsible for the consequences of their behavior. Students should know that a classroom is the extension of their house and they need to practice harmonious relationship with one another.
- All students must conduct themselves in an orderly manner, always walk, speak clearly, and respect the activities of others around them. Keep decisions that have positive results. Use appropriate language at all times.
- All students must carry necessary classroom materials each time. Personal necessities request permission to be out of seats or classroom.
- All students are productive and potential participants, they need to listen carefully and attentively to the teacher. Be a responsible for helping to make the classroom atmosphere conducive to learning.
- Let the teacher recognize the student before speaking out.
- Failures to abide the rules above are sanction to minimal penalty duly approved by the teacher and the students from the start of the school year

X. COURSE SCHEDULE

Starters 2

MONTH	TOPIC/LESSON	CONTENT OF INSTRUCTION	TIME FRAME	NOTES
August	The skeleton	Look and read Play games	A period in a week	
	Calcium	Explain that bones need calcium Listen and tick Match photos	A period in a week	
	Daily Routines	Discuss daily routines Listen and match Play games	A period in a week	
	Living Things	Look and read Label pictures	A period in a week	
September	Living or non-living?	Observe the plants Take to class a real plants and an artificial Write on a card living thing	A period in a week	

		and non-living thing Work in pairs		
	Animal Products	Play games Complete the table	A period in a week	
	Plant, Animal or Mineral Pets	Look and read Investigate	A period in a week	
	The Environment Pets	Sing a song Draw and compare	A period in a week	
October	Review and Midterm Test	Review unit 1, 2	A period in a week	
	Plants The Parts of a Plant	Observe and draw plants Discuss the characteristics	A period in a week	
	Fruit and Vegetables Where Does It Grow?	Label and match and classify	A period in a week	
	How do plants grow? The Life cycle of a Plant	Find out and circle Observe and record	A period in a week	
	Animals	Create class chart	A period in a week	
November	What do Animals Eat?	Listen and match Identify carnivores and herbivores	A period in a week	
	Types of Animals What is it?	Look and identify Make an animal profile book	A period in a week	
	Animal Bodies Reptiles	Draw a goldfish Label and describe Complete the chart	A period in a week	
	Review	Review unit 3, 4	A period in a week	
December	Final Term Test		A period in a week	
	More Animals Tiny Animals	Investigate and report	A period in a week	
	School Report		A period in a week	
	The life cycle of the Butterfly The life cycle of a Frog	Present with photos Complete with stickers	A period in a week	
	Animals in the Sea Body covering	Identify and sort animals Describe photos and write Talk about marine animals	A period in a week	
January	Nature Water	Do experiments and report	A period in a week	
	Solid, Liquid or Gas? The water cycle	Do experiments and report Observe and match photos Complete the water cycle display	A period in a week	
	Day and Night The Sun	Look at the photos Discuss and compare	A period in a week	
	Materials What Floats?	Find objects and display	A period in a week	

February	Clothes Materials	Complete the sentences Investigate and report	A period in a week	
	Heat Warm and Cool	Investigate and tick Observe and discuss	A period in a week	
March	Review	Review unit 5, 6, 7	A period in a week	
	Midterm Test		A period in a week	
	The Sea Fishing Sailing	Label the photos Listen and complete the sentences	A period in a week	
	The Coast	Describe the landscape	A period in a week	
	Maps	Observe and answer	A period in a week	
April	Tools and machines Then and now	Complete the sentences	A period in a week	
	Light Electricity	Identify different sources of light	A period in a week	
	How machines move Forces	Identify and label parts Do experiments and report	A period in a week	
	Review	Review unit 8, 12	A period in a week	
May	Final Test		A period in a week	
	School Report		A period in a week	
	Rivers Pollution	Mime Look at the picture and color Read and match	A period in a week	
	Jobs Computer	Sing a song Ask and answer questions Observe and discuss Play a game	A period in a week	
	Emergency services Firefighters	Read and discuss Draw Match clothing for a firefighter	A period in a week	