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BAMBUJAYA
INTERNATIONAL SCHOOL

Learning Objectives for Khmer – Grade 6

At the completion of Grade 6, learners should be able to:

Writing

- Show grade appropriate editing and revising skills
- Show clear thinking and logical sequence in writing
- Create graphics and borders to support written work
- Add details and sentence/word variety to enhance impact of writing
- Write a first person narrative in diary format based on historical themes
- Create outlines to organise ideas
- Summarise the main idea of lesson topics and material read
- Begin taking notes during review of lesson material

Reading

- Predict events and imagine outcomes
- Draw critical conclusions from reading
- Identify and follow the plot line and discuss their reading
- Research and report on a social studies or science topic

Grammar

- Identify synonyms, antonyms and homonyms
- Know the difference between action and transitive verbs
- Understand and use interrogative, demonstrative and relative pronouns
- Identify and use interrogative, demonstrative and definite numeral adjectives to describe nouns
- Use coordinating and subordinating conjunctions to create compound sentences and compare and contrast
- Know the difference between direct and indirect quotes, correctly use quotation marks
- Properly use a dictionary

Learning Objectives for English – Grade 6

At the completion of Grade 6, learners should be able to:

Speaking & Listening

- Use an expanding and varied vocabulary
- Demonstrate correct word usage to share and summarise ideas and texts
- Ask and answer relevant questions in class discussions

- Speak clearly, audibly and with proper emphasis
- Present a simple oral presentation individually
- Listen to others with respect and attention

Writing and Grammar

- Form complete sentences and use different sentence structures
- Recognise the four sentence types - declarative, interrogative, exclamatory and imperative
- Use details and descriptive words to add interest
- Develop simple outlines to organise ideas
- Spell unfamiliar words in a phonetically correct manner
- Use correct capitalisation and middle and end punctuation
- Make simple edits of written work
- Understand the difference between nouns, verbs and adjectives and their proper placement in sentences
- Become familiar with the format and usage of an English dictionary
- Write legibly and uniformly

Reading

- Select and read books independently
- Read aloud with increased fluency, understanding and expression
- Give a summary of the main ideas, characters and settings
- Make conclusions from material read
- Compare and contrast motives, characters and possible outcomes
- Complete short answer and essay questions about fiction and non-fiction texts
- Present a book report with an artistic and oral component

Learning Objectives for Mathematics – Grade 6

At the completion of Grade 6, learners should be able to:

Number Sense and Patterns

- Round or estimate numbers and decimals to any place value
- Recognise prime and composite numbers, square numbers, factors, and multiples through 144
- Interpret, extend, and create number patterns
- Identify the missing operation in a given equation
- Use formulas to develop and solve equations

Computation

- Access all math facts as a tool for problem solving
- Solve a problem in a variety of ways
- Use paper and pencil to solve all 4 processes with whole, decimal and mixed numbers into the millions
- Mentally solve problems involving all math facts and squares

Business Math– Percentages, Decimals and Fractions

- Understand the history of money, including bartering, coinage and paper
- Calculate simple and compound interest rates

- Know the concepts of credit cards, profits and monetary value
- Use money in real life situations and exchange rates
- Understand the relationship between percentages, decimals and fractions
- Know the percentages of common fractions and decimals
- Find the percentage from decimal fractions or whole numbers
- Know the relationship between ratios, proportions and fractions
- Calculate simple ratios and proportions
- Convert fractions and decimals to percents and vice versa

Geometry

- Draw geometric shapes using a compass, ruler and protractor
- Accurately divide a circle into fourths, sixths, and eighths using tools
- Construct parallel and perpendicular lines
- Draw and accurately measure angle bisectors
- Recognise and construct basic geometric polygons: square, rectangle, triangle, parallelogram, pentagon, hexagon, octagon
- Recognise isosceles, right, equilateral, and scalene triangles
- Identify parts of a circle: radius, diameter, circumference
- Calculate the perimeter of any polygon
- Calculate the area of any rectangle or triangle
- Know the geometric terms: point, line, segment, cord, arc, quadrilateral, prism
- Recognise acute, obtuse, right, straight, and reflex angles

Measurement

- Comprehend and solve problems using standard length, weight, liquid capacity, and time measurements, including conversions
- Estimate and measure distance and area in metric units
- Add and subtract units of time and calculate elapsed time

Learning Objectives for Social Studies – Grade 6

At the completion of Grade 6, learners should be able to:

Ancient Rome and Medieval Times

- Recount the rise of the Roman Empire, including the legends and factual information
- Create a timeline of the rise and fall of the Roman Empire including famous Emperors/Rulers
- Identify the contributions of Ancient Rome to future civilisations
- Use the stories to produce independent writing of various formats
- Understand the relationship of the Christians to the Roman Empire at the time of Jesus' birth
- Discuss the rise of Christianity and its changing role in shaping the region
- Recount the life of Mohammed and the rise of Islam
- Understand the feudal systems during the Middle Ages

Geography of North and South America:

- Identify the landforms and major water features of North and South America
- Draw and label a map of North and South America including the country borders

- Understand the influence of European immigration on the development of North and South America
- Choose a country and create a report or project that features that country (outside of class, report)
- Compare and contrast different cultures, languages and customs of North and South America
- Recognise various climate, environmental and resource differences throughout the two continents
- Use a variety of resources - wall maps, atlases, globes and books - to gain information about geography

Learning Objectives for Science – Grade 6

At the completion of Grade 6, learners should be able to:

Physics – Sound, Light, Heat and Magnetism

- Observe, recall and record the sequence of a demonstration including the materials used
- Understand how sound travels through solids, liquids and gases
- Describe the relationship between waves, frequency and pitch in measuring sound
- Recognise how sound reflects and echoes off different surfaces
- Know the difference between, and give examples of, transparent, translucent and opaque materials
- Observe and describe how light bends using prisms and different lenses
- Understand the quality of colours and their after images
- Describe how materials expand and contract in different temperatures
- Understand the concepts of conduction, convection and radiation
- Identify the polarity in magnets and predict when they will attract or repel each other
- Predict which materials will be attracted to magnets

Geology

- Describe and understand the rock cycle
- Identify the three types of rocks - igneous, sedimentary and metamorphic
- Understand the movement of tectonic plates and how they relate to the continents
- Draw and label the layers of the earth
- Examine rocks observing their weight, hardness, texture, and layers
- Know how mountains, valleys and volcanoes are formed

Astronomy

- Understand the relationship ancient people had to the night sky
- Identify common constellations
- Be familiar with stories that explained the movements and positions of stars long ago
- Find the North Star and understand its importance for navigation
- Explain how solar and lunar eclipses occur
- Observe and draw the phases of the moon
- Know the difference between the rotation and revolution of the earth
- Describe the yearly rotation of the earth around the sun and how this creates seasons
- Be familiar with the planets in our solar system and how they differ from Earth
- Know common heavenly bodies - stars, comets, moons, asteroids and galaxies