GRADE 4 CURRICULUM GUIDE

The Grade 4 curriculum at Little World International School builds upon the knowledge and skills acquired in prior years. Students will engage in reading to deepen their understanding and pursue their interests. Their writing becomes increasingly sophisticated, providing opportunities to articulate their developing ideas. Additionally, fractions are introduced through physical representations to enhance comprehension. In Science they investigate various topics, including energy, electricity, sound, weathering, erosion, and human body systems.

READING

- Interpreting characters
- Biography
- Reading the weather, reading the world
- Reading history
- Historical fiction

WRITING

- Writing realistic fiction
- Personal & persuasive essays
- Informational writing
- Brining history to life
- Realistic fiction

MATH

- Place value, rounding & algorithms
- Unit conversion
- Multi-digit multiplication & division
- Angle measure & plane figures
- Fraction, equivalence, ordering &
- Operations
- Decimal fractions

SOCIAL STUDIES

- Identification of maps
- Civilization
- Economy
- Geographic representation and tourism
- Perspectives

WORD STUDY

- Prepositional phrases
- Compound subjects, predicates &
- sentences
- Capitalization
- Adverbs
- Complex sentences
- Possessive nouns
- Quoting text

SCIENCE

- Formation of rocks
- Human body
- Waves of sound
- Types of energy

ARABIC

- Numbers
- School vocabulary
- Animals
- Food
- Grammar
- Sentences
- Reading
- Speaking
- Creative Writing
- Poetry
- Arabic Quiz
- Hard words

FRENCH

- Greetings
- Self introductions
- Numbers
- Daily routine vocabulary
- Wild animals
- Family
- Food
- Writing sentences

LIBRARY

- Inquire: Build knowledge through inquiry, critical thinking, problem identification, and strategy development
- Include: Show understanding and commitment to inclusiveness and diversity in the learning community
- Collaborate: Work effectively with others to broaden perspectives and achieve common goals
- Curate: Collect, organize, and share personally relevant resources to create meaning
- Explore: Discover and innovate with a growth mindset through experience and reflection
- Engage: Create and share knowledge ethically and safely while participating in a connected community

PHYSICAL EDUCATION

- Refining movement skills & transitions
- Applying strategies in game play
- Improving throwing, catching, & striking
- Understanding & applying fitness concepts
- Managing space & movement in team activities
- Executing game rules & etiquette
- Expressing creativity & rhythm in movement
- Strengthening teamwork, leadership, & communication
- Exploring the connection between physical & mental wellbeing
- Developing independence, goal setting & self assessment

SOCIAL EMOTIONAL LEARNING

- Growth Mindset & goal-setting
- Emotional management
- Empathy & kindness
- Problem-solving

ART

- Geometric art
- Color & painting
- Form & clay
- Pointilism art

TECHNOLOGY

- Using digital tools
- Coding

GRADE 4

END -OF-YEAR EXPECTATIONS
WHAT GRADE 4 STUDENTS WILL KNOW....

LITERACY

READING

- Read accurately and smoothly to understand the text better.
- Read age-appropriate texts with a clear purpose.
- Speak clearly when reading stories and poems out loud.
- Use the context clues to figure out tricky words and correct mistakes when reading.
- Talk about what's directly stated in the text and make inferences about what's not said.
- Find the main idea of a text and tell how it's supported by important details.
- Understand special words related to different subjects you study.
- Describe how stories and information are organized, like in order of events or comparing things.
- Compare stories told by someone who was there with stories told by others.
- Discover the theme or main message of a story, play, or poem, and sum it up.
- Understand the meanings of words and phrases, including those about mythological characters.

WRITING

- Write opinion pieces and informative/explanatory texts.
- Begin with a clear introduction, stating an opinion for opinion pieces and introducing the topic for informative/explanatory texts.
- Organize ideas effectively in paragraphs and sections, using formatting, illustrations, and multimedia when helpful.
- Support opinions and topics with facts, details, and examples.
- Connect ideas within categories using words like "for example" or "also."
- Use precise language and specific vocabulary.
- Create an organizational structure that groups related ideas for opinion pieces and informative/explanatory texts.
- Use dialogue, descriptions, and sensory details to develop narratives.
- Manage event sequences using transitional words and phrases.
- Conclude with a statement or section that follows from the content presented in all writing types.
- Notice who's telling the story and how it affects the way it's told.

MATH

- Read, write, compare, and model multi-digit numbers within 1,000,000 using standard, expanded, and word forms. Demonstrate the "10 times" relationship among digits and round multi-digit numbers.
- Perform operations on numbers within 1,000,000, including addition, subtraction, multiplication, and division, using standard algorithms. Understand the inverse relationship between multiplication and division. Solve multi-step word problems, utilizing variables to represent unknown numbers.
- Relate fractions to decimals (specifically 10ths and 100ths) and compare decimals to the hundredths place.
- Work with fractions by explaining equivalence, comparing, and decomposing into a sum of unit fractions. Perform addition, subtraction, and multiplication of fractions, including mixed numbers.
- Solve problems involving measurement, conversion, area, and perimeter. Create a line plot to display data in fractions.
- Identify and draw points, lines, rays, line segments, angles, perpendicular, and parallel lines. Determine angle types, measure angles with a protractor, and use addition and subtraction to find unknown angles.
- Classify two-dimensional shapes based on their characteristics. Recognize and draw lines of symmetry in two-dimensional shapes.

SCIENCE

- Explain how plants and animals have internal and external structures that help them survive, grow, behave, and reproduce.
- Use a model to show how animals receive information through their senses, process it in their brain, and respond in different ways.
- Find evidence in rock formations and fossils to explain changes in landscapes over time.
- Use observations/measurements to provide evidence of how weathering/erosion by water/ice/wind, or vegetation affect the environment.
- Analyze and interpret data from maps to describe patterns of Earth's features.
- Generate and compare multiple solutions to lessen the impacts of natural Earth processes on humans.
- Use evidence to explain how the speed of an object is related to its energy.
- Make observations to show evidence that energy can be transferred by sound, light, heat, and electric currents.
- Ask questions and predict outcomes regarding changes in energy when objects collide.
- Apply scientific ideas to design, test, and refine devices that convert energy from one form to another.
- Develop a model of waves to describe patterns in terms of amplitude & wavelength & understand how waves can cause objects to move.
- Develop a model explaining how light reflecting from objects and entering.

SOCIAL STUDIES

- Utilize maps and other representations to explain the relationships between locations and their environmental features.
- Explain connections among historical contexts and why individuals and groups differed in their perspectives during the same historical period.
- Describe some of the current movements of goods, people, jobs, or information and explain the reasons for the movements.
- Explain how a democracy relies on people's responsible participation, and draw implications for how individuals should participate.
- Create and use a chronological sequence of related events to compare developments that happened at the same time.

PHYSICAL EDUCATION

- Uses various movement skills in different activities, like running and gymnastics.
- Demonstrates running for distance with a mature technique.
- Combines different movements and steps to create an original dance routine.
- Integrates movement and skills like dribbling, throwing, catching, and striking in various activities.
- Balances on different bases and shows different shapes on gymnastics equipment.
- Transfers weight from feet to hands while performing actions like handstands and cartwheels.
- Executes balances on apparatus with curling, twisting, and stretching actions.
- Collaborates with a partner to create and perform a dance, integrating various movement concepts.
- Combines movement, balance, and weight transfers to create gymnastic sequences with or without equipment.

GRADE 4

ART AND CRAFT

- Explore various ways to solve creative art challenges.
- Work together to set goals and make meaningful artwork.
- Understand how technology has changed how art is saved and shown.
- Learn how to take care of art in different places, like indoors or outdoors, and in different forms, like physical or digital.
- Explore the differences between art museums, galleries, and other places where you see art and how they make you feel.
- Compare reaction to art before and after creating similar art themselves. (Responding)
- Understand art by looking at its different parts that tell a story or send a message. (Responding)
- Create works of art that reflect community cultural traditions. (Connecting)
- Through observation, infer information about time, place, and culture in which a work of art was created.

SOCIAL EMOTIONAL LEARNING (SEL) & HEALTH

- Advanced Self-Awareness & Emotional Intelligence: Students learn to identify complex emotions & the factors that contribute to their feelings. They continue to refine strategies for managing & understanding emotions, and the impact on behaviors and decision-making.
- Critical Thinking in Health & Wellness: They delve deeper into the components of a healthy lifestyle, including balanced nutrition, regular physical activity, mental health, & digital well-being. Students are taught to critically evaluate health information to make decisions.
- Interpersonal Skills and Collaboration: Grade 4 students enhance their communication skills, learning to engage in effective, respectful conversations, and to collaborate with peers in diverse group settings. They also practice conflict resolution strategies.
- Responsible Decision-Making and Ethics: Children are introduced to ethical considerations in decision-making, learning to weigh the consequences of their actions on themselves and others.
- Empathy and Social Awareness: Students deepen their understanding of empathy, learning to recognize and respond to the feelings and needs of others. They explore social issues and the concept of community service, understanding their role in contributing to a positive environment.
- Personal Goal Setting and Self-Improvement: They set more complex personal and academic goals, learning the importance of resilience and flexibility in achieving these goals. Students are encouraged to reflect on their progress & adapt their strategies as needed.
- Advocacy and Leadership: Grade 4 students are encouraged to take on leadership roles within their community, advocating for healthy choices and behaviors. They learn how to influence and inspire others in positive ways.

GLOBAL LANGUAGES

LWIS utilizes the MOE - Ministry of Education of Saudi Arabia guidelines for teaching Foreign Languages in elementary school.

- Interpersonal Communication: Students can communicate on some very familiar topics using single words and phrases that they have practiced and memorized. They can participate in conversations on familiar topics using sentences and series of sentences. They can handle short social interactions in everyday situations by asking and answering a variety of questions. They can usually say what they want to say about themselves and their everyday life.
- Speaking: Students can present information about themselves and some other very familiar topics using single words or memorized phrases. They can make presentations on a wide variety of familiar topics using connected sentences.
- Writing: Students can copy some familiar words, characters, or phrases. They can write on a wide variety of familiar topics using connected sentences.
- Listening: Students can recognize a few memorized words and phrases when they hear them spoken. They can understand the main idea in messages and presentations on a variety of topics related to everyday life and personal interests and studies. They can understand the main idea in conversations that they overhear.
- Reading: Students can recognize a few letters or characters. They can identify a few memorized words and phrases when they read. They can understand the main idea of texts related to everyday life and personal interests or studies.

GRADE 4

CHILD DEVELOPMENT

"Children learn best when they are interested, when they are actively involved, and when they can relate what they're learning to their own lives."

Alfie Kohn

Physical Development

- Significant physical growth and muscle development.
- Enhanced coordination and speed evident in sports and physical activities.
- Fine motor skills are highly developed, supporting intricate art and craft projects.
- Increased interest in competitive sports and physical challenges.
- Endurance and physical stamina continue to increase, allowing for longer participation in activities.

Social Emotional Development

- Desire for independence from adults grows, with a stronger emphasis on peer relationships.
- Friendships based on shared interests; begin to experience and navigate peer pressure.
- Develop a better understanding of social cues and norms, improving social interactions.
- Increased ability to manage emotions and conflicts with peers more effectively.
- Begin to form a personal identity, with opinions and preferences becoming more pronounced.

FAMILY LEARNING OPPORTUNITIES

Literacy

- Support your child to read or be read to at least 20 minutes per day.
- Have conversations with your child about what they are reading.
- Encourage reading of chapter books and have detailed discussions about themes, characters' development, and plot twists.
- Start a blog, create a comic book, or write a short story together.
- Keep a journal of new and interesting words encountered in reading or daily life, including definitions, synonyms, and usage in sentences.
- Start a family or neighborhood book club, selecting books to read and discuss together.
- Practice writing persuasive letters or essays on topics of interest, focusing on argument structure and supporting evidence.
- Encourage participation in activities that require speaking in front of others, like family debates or storytelling.

Mathematics

- Tackle real-life problems that require multiplication and division, including word problems that challenge reasoning.
- Use cooking or shopping experiences to explore fractions, decimals, and their conversions in practical contexts.
- Design a simple house or garden using learned geometry concepts such as area, perimeter, and angles.
- Collect data through surveys or observations and learn to represent it using bar graphs, line plots, and pie charts.
- Plan a family event or trip, calculating time durations and using calendars to understand months and weeks.
- Give a small budget for a project, such as planning a party or a family outing, to teach financial literacy and mathematical application.
- Puzzles and Logic Games: Engage in puzzles, Sudoku, and logic games to develop problem-solving skills and logical reasoning.

Science

- Explore local ecosystems, identifying different plants and animals, and discuss biodiversity and the importance of conservation.
- Regularly observe the night sky, identify constellations, and learn about planets and stars using telescopes or binoculars.
- Expand a collection of rocks and minerals, researching their properties and how they are formed.
- Conduct experiments to understand forces and motion, using everyday materials to build simple machines or explore principles of physics.

Social Studies

- Research the history, geography, and significant landmarks of your region, including field trips if possible.
- Create a mock government to understand the roles and responsibilities of different branches and the electoral process.
- Discuss basic economic principles such as supply and demand, trade, and currency through simulations or games.
- Examine copies of important historical documents, discussing their significance and impact on society.

Review the learning outcomes for your child as provided by your child's teacher. Ask questions, model listening and asking questions. Support your child to explain their answers.
We believe all round development of a child can happen tremendously with parents' partnership.