

Renaissance School

Upper Elementary Learner Outcomes

Independence and Personal Care

The student takes responsibility for housekeeping chores to care for the environment.

The student treats fellow students and adults with kindness and common courtesy.

The student understands the need for community ground rules and chooses to follow them.

The student exhibits body awareness and control of movement.

The student exhibits self-control in group lessons; speaking in turn, attending to speaker, and sitting appropriately with respect for others.

The student knows how to use the phonebook and can make a phone call to get information.

The student exhibits independence in all aspects of the lunch procedure.

The student is able to organize his belongings and supplies.

The student is able to use a word processor to prepare reports

The student is able to locate appropriate information sources on the internet and in the library

Social / Emotional Development and Work Habits

The student is able to use a conflict resolution process to solve problems with his/her peers and exhibits a willingness to create win-win solutions.

The student **is able to act as a mentor and teacher for other children.**

The student comes to lessons prepared.

The student is willing to accept and complete assigned tasks.

The student makes constructive independent choices during work time.

The student can **set academic goals and create and follow a plan to achieve those goals.**

The student participates in class council meetings and shares thoughts and feelings.

The student **plans and** participates in community service projects.

Language Development

The student is familiar with the history of symbolic language, its importance in the evolution of civilization, and its use as a means of communication.

The student demonstrates the ability to express him or herself with clarity and style, to communicate ideas and knowledge, and to clearly comprehend the ideas of others.

The student is proficient in the following basic language skills:

Correctly knows and applies the rules of capitalization

Uses appropriate punctuation including: proper use of quotation marks, commas, and apostrophes to form plurals and possessives

Knows and applies basic spelling rules

Can use a dictionary, to check spelling, find definitions, and find the origin of words

The student uses cursive writing for his/her work exhibiting neat penmanship.

- The student has worked extensively with the grammar materials and is able to:
 1. Identify parts of speech in a phrase or sentence, including: transitive, intransitive, and linking verbs; different types of nouns and pronouns; adjectival and adverbial phrases used as modifiers
 2. Recognize and use principle and subordinate clauses in simple compound, and complex sentences
 3. Consciously and correctly uses various parts of speech in own writing

- The student is able to create a finished written product using peer and teacher editing. Student can write:
 1. Well developed paragraphs with a topic, supporting, and concluding sentences
 2. A variety of personal and business letters
 3. A book review
 4. Poetry
 5. Creative stories and plays
 6. An opinion paper
 7. An autobiography
 8. Research reports that reflect analysis and application of data

- The student reads for both pleasure and for independent research and is able to:
 1. Understand the difference between fiction and non fiction
 2. Appreciate a variety of types and styles of literature
 3. Identify the plot and characters in a story
 4. Think of interpretive questions about their readings
 5. Express their opinions about their readings
 6. Find specific facts to use in research
 7. Is able to critically evaluate information and use it accurately and creatively

Mathematics

- The student is familiar with the history of mathematics, its importance in the evolution of civilization, and its use as a means of communication.

- The student demonstrates mastery of basic mathematical skills and reasoning needed to successfully function in society including:
 1. The memorization of all math facts
 2. The use of estimation
 3. The application for all operations
 4. Complex operations with fractions with like and unlike denominators
 5. Complex operations with decimals
 6. The ability to calculate percentages and averages

7. Understands squaring and cubing and can find the square root of a number
 8. Is able to square binomials and trinomials
 9. Recognizes negative and positive, prime and composite numbers
 10. Can use a number line with real numbers
 11. Understands and can create bar, line, and circle graphs, charts, and tables
 12. Understands and uses exponents and scientific notation
 13. Recognizes cumulative, associative, and distributive properties
 14. Has been introduced to solving algebraic equations
- The student is able to recognize and use both metric and standard systems of measurement, and knows which units are used for linear measurement, volume, and weight.

Geometry

- The student has strong foundational knowledge of geometric concepts:
 1. Able to classify lines, angles, and polygons
 2. Can measure angles
 3. Can find the area of quadrilaterals and triangles, and can find the circumference and perimeter of circles
 4. Can calculate the volume of solids using formulas
 5. Understands the concepts of congruence, similarity, and equivalence

Cosmic Education

(Integration of Science, Geography, History and the Arts through the study of The 5 Great lessons)

- I. Through his or her exploration of the **Story of the Universe**, the student:
 - Views history as an inspiration
 - Has an understanding and has an appreciation for the variety of theories of how the universe began
 - Has an understanding and appreciation of the myths associated with the creation of the universe
 - Has an understanding of how chemicals combine to form the properties of the earth and solar system
 - Understands that the properties of the universe effect weather patterns and land and water formations
 - Has been introduced to molecular science
 - Is able to describe and utilize the process of scientific inquiry
 1. Able to develop and predict the outcome of an experiment/ make an hypothesis
 2. Able to use observation as a method to collect scientific data
 3. Able to set up and conduct a scientific experiment
 4. Able to analyze observational data and/or the results of an experiment

5. Uses this information as the basis for new questions and further research

- Has an understanding of the natural laws of the universe
- Has a basic knowledge of the principles and nomenclature of the following scientific areas:

Astronomy

Geology and Earth Sciences

Chemistry and Molecular Science

Physical Science

II. Through his or her exploration of **How life Comes to Earth** the student:

- Knows the history and origins of life on earth
- Understand the significance of the web of life and the food chain
- Understands that life on earth has been and is diversified and is in constant change(evolution) throughout history
- Has an understanding of the factors that have and do support life throughout the history of the planet
- Has a basic knowledge of the principles and nomenclature of the following scientific areas; specifically understanding life cycles, reproduction, and classification of plants and animals

zoology , biology, botany, archeology, and ecology

Has an awareness of the inter-relationship between the above scientific areas

Through his or her study of **The Coming of Humans** the student:

Has an understanding of the historical significance of humans coming to earth

Has an understanding of the unique qualities of the human species

Has an understanding of the fundamental needs of humans (both material needs and spiritual needs) and how those needs have been met throughout history and across cultures

Has an awareness of the environmental impact of humans on earth

Has an awareness and appreciation for the development and advancement of civilizations throughout history

Has an awareness of the impact of inventions and discoveries

Has an appreciation for the interconnection and the interdependence of humans with other humans and all life in the universe

Has an understanding the various biomes and the effect of natural resources on meeting the needs of humans

Has a basic knowledge of physical, cultural, and political geography, and economics

Has a basic knowledge of the principles and nomenclature of the following sciences in relationship to the study of humans:

archeology, anthropology, human anatomy, biology, sociology, and psychology

Through his or her study of **The Origins of Communication/ Language** the student:

Has an understanding of the significance of the development of human language; specifically appreciating that humans are the only species to fully develop symbolic language

Has an appreciation for the influence that human language has had on the development of civilization

Has an understanding of how the historical development of language has influenced styles and forms of communication used today

Has a basic knowledge of cultural and political geography, anthropology, archeology, and sociology in relationship to the development of communication

V. Through his or her study of **the Story of Numbers** the student:

Understands the significance of humans developing numerical systems

Understands the influence numerical systems have had on the development of society

Understands how the history of numbers has provided the foundation for the mathematical and geometrical systems used to today

Has a basic knowledge of the principles and nomenclature of geometry, algebra, arithmetic, and logic