



How We Express Ourselves

In this unit, your child will be challenged to explore the reason for space exploration and the interdependence of people. As we explore, your child will gain further knowledge of how to become an inquirer through the study of space, and the contributions of significant people in the world.



IB Instructional Elements

Theme-

Six transdisciplinary units that: have global significance and offer students the opportunity to explore the communities of human experience.

- **How We Express Ourselves** – An inquiry into the ways in which we discover and express ideas, feelings, nature, culture, beliefs, and values; the ways in which we reflect on, extend and enjoy our creativity our appreciation of the aesthetic.
- **Lincoln Curriculum Connection**– Developing informative and opinion writing and speaking skills in non-fiction text, conducting Science investigations and understanding scientific knowledge, and learning the Geography of Florida and those who contributed to early Florida exploration.

Learner Profile

A set of attributes that, taken as a whole, lay the foundation upon which international-mindedness will develop and flourish

- **Thinker:** They exercise initiative in applying thinking skills critically and creatively to recognize and approach complex problems, and make reasoned, ethical decisions.
LLC: Students will make reasonable and ethic arguments to support opinions
- **Communicators:** They understand and express ideas and information confidently and creatively in more than one language and in a variety of modes of communication. They take responsibility for their own actions and the consequences that accompany them.
LLC: Students will express their opinion with confidence and creativity
- **Open-Minded:** They understand and appreciate their own cultures and personal histories, and are open to be the perspectives, values and traditions of other individuals and communities. They are accustomed to seeking and evaluating a range of points of view and are willing to grow from their experiences.
LLC: The students will understand and appreciate others opinions and perspective.

Attitudes

Expressions of fundamental values, beliefs and feelings about learning, the environment and people.

- **Cooperation:** Cooperating, collaborating and leading or following as the situation demands.
LLC– Student will collaborate with team members during group projects
- **Creativity:** Being creative and imaginative in their thinking and their approach to problems and dilemmas.
LLC– Students will Find creative ways to express their opinions.
- **Tolerance:** Being sensitive about differences and diversity in the world and being responsive to the needs of others.
LLC– Students will be sensitive to other peoples perspectives.

Key Concepts

Powerful ideas that have relevance within the subject areas but also transcend them and that students must explore and re-explore in order to develop a coherent, in-depth understanding.

- **Perspective**– The understanding that knowledge is moderated by perspectives; different perspectives will lead to different interpretations, understanding and findings; perspectives maybe individual, group, cultural or disciplinary.
- **LCC**– Students will formulate and express their own opinion.
- **Connection**-The understanding that we live in a world of interacting systems in which the actions of any individual element affect others.
- **LCC**- Students will learn how the ocean and human life are interconnected.
- **Reflection**- The understanding that there are different ways of knowing, and that it is important to reflect on our conclusions, to consider our methods of reasoning, and the quality and the reliability of the evidence we have consider.
LCC- Students will reflect and adjust their prototype to accommodate the constraints and the newly acquired knowledge that was gained from the hands on Science labs.

Transdisciplinary Skills

Those capabilities that the students need to demonstrate to succeed in a changing, challenging world, which may be disciplinary or transdisciplinary in nature.

- **Communication Skills:** Listening, Speaking, Reading, Writing, Viewing, Presenting, and Non-verbal Communications.
LLC– Students will listen, speak, read, and write about their opinions.
- **Thinking**– Acquisition of Knowledge , Comprehension, Application, Analysis, Synthesis, Evaluation, Dialectical Thought, Metacognition.
LCC– Students will apply their knowledge into a creative prototype design.
- **Research skills** Formulating questions, observing, planning, collecting data, recording data, organizing data, interpreting data, presenting research findings.
LCC-The students will be quite the inquirers at the end of this unit. Students will use their research skills daily as they complete their summative tasks. Students are required to plan, collect data, and present their research findings of their inquiries to their team almost daily throughout the unit. If there is a problem or dilemma the students must reflect and modify using inquiry to figure out a solution.