

# Cascade Elementary School's IB Programme of Inquiry 2022-2023



## Pre-Kindergarten

Revised August 2022

Dates	IB Unit 1 (3 weeks) August 1-19	IB Unit 2 (6 weeks) August 22- September 30	IB Unit 3 (9 weeks) October 3- December 16	IB Unit 4 (19 weeks) January 3- May 26
Theme	How We Express Ourselves	Who We Are	How We Organize Ourselves	Sharing the Planet
<b>An Inquiry into</b>	<i>An inquiry into the ways in which we discover and express ideas, feelings, nature, culture, beliefs and values</i>	<i>Human relationships, including families, friends, communities and cultures</i>	<i>An inquiry into the interconnectedness of human-made systems and communities</i>	<i>An inquiry into rights and responsibilities in the struggle to share finite resources with other people and with other living things</i>
<b>Central Idea</b>	People express themselves in many different ways and environments.	Each community in the world is unique.	Experiences connect people and communities.	The actions of living things shape our world.
<b>Key Concepts</b>	Perspective Responsibility	Connection Perspective	Function Causation Change	Connection Responsibility
<b>Related Concepts</b>	Movement Independence Self-Expression	Environment Family dynamics Cultures Values	Systems Symbols Point of View Communities	Living Things Movement Resources Balance
<b>An inquiry into...  Lines of Inquiry</b>	Ways people communicate thoughts and needs	Communities around the world  How cultures influence family relationships and structures	How members of each community contribute in various ways  Patterns that shape our world  How symbols can be used for	Ways organisms impact the environment  How time and location can change resources

# Cascade Elementary School's IB Programme of Inquiry 2022-2023



			cultural celebrations	
<b>Topics/Skills</b>	<ul style="list-style-type: none"> <li>• Pre-K Unit 1: All About Me August 9-September 3</li> </ul> <p>School Community/Environment Expectations Feelings/Emotions Self Discovery</p>	<ul style="list-style-type: none"> <li>• Pre-K Unit 2: Who We Are September 5-September 30</li> </ul> <p>Emotions Community Self-Awareness</p>	<ul style="list-style-type: none"> <li>• Pre-K Unit 3: Communities and Health October 4-October 29</li> <li>• Pre-K Unit 4: Community Jobs and Fall November 1-November 19</li> <li>• Pre-K Unit 5: Celebrations and Winter November 29-January 7</li> </ul>	<ul style="list-style-type: none"> <li>• Pre-K Unit 6: Animals January 10-February 4</li> <li>Pre-K Unit 7: Transportation February 7-March 4</li> <li>• Pre-K Unit 8: Spring and Growing Things March 7-April 1</li> <li>• Pre-K Unit 9: Farm and Food Sources April 11-May 6</li> <li>• Pre-K Unit 10: Insects and Ecology May 9-May 26</li> </ul>
<b>Learner Profile Trait</b>	Communicators Open-minded Caring	Open-minded Caring Balanced	Inquirers Knowledgeable Thinkers	Knowledgeable Thinkers Reflective
<b>Approaches to Learning (ATL Skills)</b>	Social Skills Self-management Skills	Communication Skills Social Skills	Thinking Skills Self-management Skills	Thinking Skills Research Skills
<b>Specialist Team Support</b>	<ul style="list-style-type: none"> <li>• Music Connection - Students will sing songs related to personal expression.</li> <li>• Art Connection - Students will learn how art is expression through teacher directed personal projects.</li> <li>• Spanish Connection - Students will sing songs in Spanish to express feelings.</li> <li>• PE Connection - Students will express themselves through dance (Salsa connection if possible).</li> </ul>	<ul style="list-style-type: none"> <li>• Music Connection - Students will sing songs related to cultures (highlight similarities and differences).</li> <li>• Art Connection - Students will learn how art is expression through teacher directed personal projects (self portraits).</li> <li>• Spanish Connection - Students will sing celebration songs (numbers and months of the year) - International Celebration in Spain.</li> <li>• PE Connection - Students will express themselves through team building activities.</li> </ul>	<ul style="list-style-type: none"> <li>• Music Connection - Students will sing songs and have discussions related to community helpers.</li> <li>• Art Connection - Students will learn how art can be created from trash in various communities.</li> <li>• Spanish Connection - Students will sing songs and view flash cards to learn the Spanish names for professions.</li> <li>• PE Connection - Students will learn about healthy eating habits.</li> </ul>	<ul style="list-style-type: none"> <li>• Music Connection - Students will sing songs related to seasons.</li> <li>• Art Connection - Students will reflect on the Starry Night and Sunflowers by Vincent Van Gogh.</li> <li>• Spanish Connection - Students will create seasonal pictures with Spanish labels.</li> <li>• PE Connection - Students will use resistance and force for movement activities.</li> </ul>

# Cascade Elementary School's IB Programme of Inquiry 2022-2023



Revised August 2022

## Kindergarten

Dates	IB Unit 1 (13 weeks) August 1- November 4	IB Unit 2 (6 weeks) November 7- January 6	IB Unit 3 (9 weeks) January 9- March 17	IB Unit 4 (9 weeks) March 20- May 26
Theme	Who We Are	Where We Are in Place and Time	How We Express Ourselves	Sharing the Planet
An Inquiry into	<i>Rights and responsibilities What it means to be human</i>	<i>An inquiry into orientation in place and time</i>	<i>An inquiry into the ways in which we discover and express ideas, feelings, nature, culture, beliefs and values</i>	<i>Communities and the relationships within and between them</i>
Central Idea	Choices are made based on experiences and beliefs.	Location influences understanding.	Celebrations and symbols help us understand the traditions and beliefs of a people.	Relationships shape communities and experiences in our world.
Key Concepts	Function Causation Change	Form Function Causation	Change Connection Perspective	Connection Responsibility
Related Concepts	symbols government community helpers citizenship culture	movement similarities differences behavior roles consequences	family traditions beliefs	relationships interdependence rights citizenship
An inquiry into...  Lines of Inquiry	Ways we use senses  Events that shape our world  Ways people celebrate in	Ways change can affect various situations in our lives  Symbols and celebrations	Ways people relate through symbols, customs, and celebrations  How movement creates	Ways communities work together  Roles and responsibilities of community members

# Cascade Elementary School's IB Programme of Inquiry 2022-2023



	various cultures  How people function in communities	that define a community	change  Similarities and differences in groups of organisms	Ways we classify objects  Resources for survival
<b>Topics/Skills</b>	<ul style="list-style-type: none"> <li>• SS Units 1 &amp; 2 - Connecting Themes / The People in Our Neighborhood</li> <li>• Science Units 1 &amp; 2 - Matter / Earth Materials (senses)</li> <li>• Math Units- Counting to 100</li> <li>• ELA-Character, Settings, Main Idea</li> </ul>	<ul style="list-style-type: none"> <li>• SS Unit 3 - Where in the World are We</li> <li>• Science Unit 3 - Day and Night Sky</li> <li>• Math Unit 2- Comparing Numbers</li> <li>• ELA-Character, Settings, Main Idea</li> </ul>	<ul style="list-style-type: none"> <li>• SS Units 4 &amp; 5 - Celebrating our Differences / Being a Good American</li> <li>• Science Unit 4 - Types of Motion</li> <li>• Math- Identify and describe shapes</li> <li>• ELA-Character, Settings, Main Idea</li> </ul>	<ul style="list-style-type: none"> <li>• SS Units 6 &amp; 7 - Becoming a Leader (Presidents Day) / A Salute to America</li> <li>• Science Units 5 &amp; 6 - Organisms and Nonliving Objects / Plants and Animals</li> <li>• Math- Understand addition as putting together and adding to, and understand subtraction as taking apart from</li> <li>• ELA-Character, Settings, Main Idea</li> </ul>
<b>Learner Profile Trait</b>	Thinkers Communicators Balanced	Inquirers Knowledgeable	Open-minded Risk-takers (Courageous)	Caring Reflective
<b>Approaches to Learning (ATL Skills)</b>	Communication Skills Thinking Skills	Social Skills Research Skills	Communication Skills Social Skills	Communication Skills Thinking Skills
<b>Specialist Team Support</b>	<ul style="list-style-type: none"> <li>• Spanish Connection Virtual field trip to the Spanish Countries.</li> <li>• Music Connection- Students will sing a song about community helpers.</li> <li>• Physical Education Connection- Students will experience sports from different countries around the world.</li> <li>• Spanish Connection Learn the national holidays and identify events celebrated in other</li> </ul>	<ul style="list-style-type: none"> <li>• Spanish connection the students will write the vocabulary related to night, day, sun and sky and draw a picture related to the vocabulary.</li> <li>• Music Connection- students will sing and discuss differences of day and night.</li> <li>• Physical Education- Students will discuss the importance of sleep at night, nutrition during the day and perform exercises to</li> </ul>	<ul style="list-style-type: none"> <li>• Music Connection- Students will sing a song about following the rules and sort pictures of students to demonstrate good and bad rule-following.</li> <li>• Physical Education Connection-Students will perform folk dances originating in the U.S.A.</li> </ul>	<ul style="list-style-type: none"> <li>• Spanish Connection :Sing a song (Spanish and English Vocabulary) President, Color of the flag of the United States of America.</li> <li>• Music Connection- Sing a song about shapes.</li> <li>• Physical Education Connection- Students will express themselves in motion doing rhythmic activities maintaining personal and general space.</li> </ul>

# Cascade Elementary School's IB Programme of Inquiry 2022-2023



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## First Grade

Revised August 2022

Dates	IB Unit 1 (7 weeks) August 1- September 16	IB Unit 2 (8 weeks) September 19- November 18	IB Unit 3 (6 weeks) November 28- January 20	IB Unit 4 (6 weeks) January 23- March 10	IB Unit 5 (5 weeks) March 13- April 21	IB Unit 6 (5 weeks) April 24- May 26
Theme	How We Organize Ourselves	Where We Are in Place and Time	How the World Works	Sharing the Planet	Who We Are	How We Express Ourselves
An Inquiry into	<i>An inquiry into the interconnectedness of human-made systems and communities</i>	<i>Homes and journeys</i>	<i>The impact of scientific and technological advances on society and on the environment</i>	<i>An inquiry into rights and responsibilities in the struggle to share finite resources with other people and with other living things</i>	<i>Rights and responsibilities</i>	<i>Our appreciation of the aesthetic</i>
Central Idea	Adaptation is shaped by culture and geography.	Human interaction leads to discovery and change.	The discovery of resources improves our everyday life.	Conservation of natural resources contributes to survival of organisms.	Societal influences cause change in the world.	Changes impact energy, resources, and expressions.
Key Concepts	Form Causation Change	Form Causation Change	Form Function Connection	Function Causation Connection Responsibility	Change Connection Perspective	Form Function Perspective
Related	similarities	properties	properties	movement	growth	movement

# Cascade Elementary School's IB Programme of Inquiry 2022-2023



Concepts	differences patterns behavior citizenship culture geography cycles	impact change adaptations	communication interaction interdependence resources	cycle survival movement cycle interdependence survival rights conservation	relationships beliefs discovery	communication truth
An inquiry into...  Lines of Inquiry	How we use symbols to represent values.  Ways we demonstrate cultural and community pride.  How we organize and represent various types of information.	Why locations change over time.  How resources evolve in various civilizations.	How systems are used to help people.  Ways we use energy.  How creativity and innovation change our world.	Ways organisms meet basic needs.  How humans work together to protect the environment.	Ways humans and animals are interconnected.  How historical figures shape society and influence others.  How choices define who we are as individuals and as a community.	Ways discovery and creativity lead to innovation.  Ways humans communicate in various communities and cultures.
Topics/Skills	<ul style="list-style-type: none"> <li>• SS Units 1 &amp; 2 - Connecting the Themes / Our National Heritage</li> <li>• Science Unit 1 - Weather (weather patterns/data)</li> <li>Math unit 1: Adding and subtraction within 20</li> <li>• ELA: Ask and answer questions</li> </ul>	<ul style="list-style-type: none"> <li>• SS Unit 3 - Our Changing Country</li> <li>• Science Unit 2 - Light (sources of light-historical perspective)</li> <li>• Math- Addition and Subtraction. Place Value.</li> <li>• ELA- Story Elements.</li> </ul>	<ul style="list-style-type: none"> <li>• SS Unit 4 - Inventors in the United States (inventions, contributions)</li> <li>• Science Unit 3: Sound (production and uses)</li> <li>• Math - Length and Measurement</li> <li>• ELA - Main Topic</li> </ul>	<ul style="list-style-type: none"> <li>• SS Unit 5 - Community Helpers (Theodore Roosevelt)</li> <li>• Science Unit 4 - Plants</li> <li>• Math- Place Value, Comparison, Adding and subtracting to 40</li> <li>• ELA - Nonfiction, text features, Compare/Contrast experiences of characters</li> </ul>	<ul style="list-style-type: none"> <li>• SS Unit 6 - We are Alike, We are Different</li> <li>• Science Unit 5 - Animals (rights /responsibilities)</li> <li>• Math- Place Value, Comparison, Adding and subtracting to 100</li> <li>• ELA - Author's Purpose, Author's message, retell with key details; Writing reviews and opinion</li> </ul>	<ul style="list-style-type: none"> <li>• Science Unit 6 - Magnets (uses and appreciation)</li> <li>• Math- Shapes</li> <li>• No Social Studies Unit</li> <li>• ELA- Nonfiction, major events/rising action, supporting reasons; Independent Writing Projects</li> </ul>
Learner Profile Trait	Principled Caring	Inquirers Thinkers	Communicators Thinkers	Caring Balanced	Thinkers Risk-takers	Open-minded Balanced

# Cascade Elementary School's IB Programme of Inquiry 2022-2023



		Reflective	Risk-takers (Courageous)		(Courageous) Caring Reflective	
<b>Approaches to Learning (ATL Skills)</b>	Communication Skills Social Skills	Communication Skills Research Skills	Communication Skills Social Skills	Communication Skills	Communication Skills Social Skills	Communication Skills Thinking Skills
<b>Specialist Team Support</b>	<ul style="list-style-type: none"> <li>• Music- Sing "America" and "America the Beautiful"</li> <li>• Spanish-Learn and review the vocabulary related to the weather.</li> <li>• Physical Education Connection-Students will do movement patterns.</li> </ul>	<ul style="list-style-type: none"> <li>• Music- Sing "Thank You Ruby Bridges" and "Do You Know the Peanut Man?"</li> <li>• Physical Education Connection-Students will mirror each other and discuss light and shadows.</li> <li>• Spanish- Learn and use the vocabulary related to one of the Historical figures.</li> </ul>	<ul style="list-style-type: none"> <li>• Music- Explain how sound waves travel; Investigate how we manipulate objects to create sound in music.</li> <li>• Physical Education Connection-Explain Theodore Roosevelt's contributions to sports.</li> <li>• Physical Education Connection- Explore ways inventions have changed the world of sports.</li> </ul>	<ul style="list-style-type: none"> <li>• Music- Sing about conservation.</li> <li>• Spanish- Learn and use the vocabulary related to one of the Historical figure.</li> <li>• Physical Education Connection- Discuss and demonstrate ways we can use our bodies to practice Balance.</li> </ul>	<ul style="list-style-type: none"> <li>• Spanish- Learn and contrast the Weather in different countries around the world.</li> <li>• Physical Education Connections- Students will observe physical changes in the body by doing push-ups to improve personal health.</li> </ul>	<ul style="list-style-type: none"> <li>• Music- Sing "Don't Eat Magnets"</li> <li>• Physical Education Connection- Locate and play sports popular in cold climates like the North and South Poles; Research ways we use magnets to help our bodies.</li> </ul>

# Cascade Elementary School's IB Programme of Inquiry 2022-2023



## 2nd Grade

Revised August 2022

Dates	IB Unit 1 (7 weeks) August 1- September 16	IB Unit 2 (6 weeks) September 19- November 4	IB Unit 3 (6 weeks) November 7- January 6	IB Unit 4 (6 weeks) January 9- February 17	IB Unit 5 (6 weeks) February 27- April 14	IB Unit 6 (6 weeks) April 17- May 26
Theme	How We Organize Ourselves	Who We Are	How We Express Ourselves	Where We Are in Place and Time	How the World Works	Sharing the Planet
<b>An Inquiry into</b>	<i>The structure and function of organizations</i>	<i>Human relationships, including families, friends, communities and cultures</i>	<i>An inquiry into the ways in which we discover and express ideas, feelings, nature, culture, beliefs and values</i>	<i>The relationships between, and the interconnectednes s of, individuals and civilizations, from local and global perspectives</i>	<i>How humans use their understanding of scientific principles</i>	<i>Communities and the relationships within and between them</i>
<b>Central Idea</b>	Systems guide interactions in various environments.	Beliefs and values shape communities.	Diverse perspectives create change in a community.	Interconnectednes s shapes relationships and cultures.	Evolution of ideas can transform our world.	Environments can change over time.
<b>Key Concepts</b>	Form Causation Connection	Function Perspective	Function Change Perspective Responsibility	Causation Change Connection	Function Causation Connection	Change Connection Responsibility
<b>Related Concepts</b>	force energy structure movement interaction	culture cooperation beliefs cooperation	Pattern Cycles truth Lifestyle Community	interconnectedness relationships consequences transformation	system consequences relationship	Change Organisms



# Cascade Elementary School's IB Programme of Inquiry 2022-2023



<b>An inquiry into...</b>  <b>Lines of Inquiry</b>	<p>Ways movement influences change.</p> <p>How systems are organized and operate.</p> <p>Different systems in our environment.</p>	<p>How location can change understanding.</p> <p>Ways resources influence community life.</p>	<p>Ways our past and present are shaped by beliefs and values.</p> <p>How patterns create understanding.</p>	<p>How differences and similarities within and across cultures might help to build positive relationships between groups.</p> <p>Relationships between organisms and the environment.</p> <p>Ways prominent figures impact history.</p>	<p>Points of view can lead to change.</p> <p>Ways transformation can impact our world.</p>	<p>How organisms interact with their environment.</p> <p>Ways leaders impact life long ago and today.</p>
<b>Topics/Skills</b>	<ul style="list-style-type: none"> <li>• SS Units 1 &amp; 2 - Connecting Themes / Our Georgia</li> <li>• Science Unit 1 - Force and Motion</li> <li>• Math Module 1 - Sums and Differences to 10</li> <li>• ELA Unit 1 - Character Behaviors/ Central Message, Lesson or Moral</li> </ul>	<ul style="list-style-type: none"> <li>• SS Unit 3 - Georgia's First People</li> <li>• Science Unit 2 - Stars</li> <li>• Math Module 2 - Addition and Subtraction of Length Units</li> <li>• ELA Unit 2 - Character Feelings Traits/ Connections between Scientific ideas or concepts</li> </ul>	<ul style="list-style-type: none"> <li>• No Social Studies Unit</li> <li>• Science Unit 3 - Patterns of Earth, Sun and Moon</li> <li>• Math Module 3 - Counting and Comparison of Numbers to 1000</li> <li>• ELA Unit - Compare and Contrast two or more stories/ Authors Message</li> </ul>	<ul style="list-style-type: none"> <li>• SS Unit 4 - Georgia Becomes a Colony</li> <li>• Science Unit 4 - Changes to the Environment</li> <li>• Math Module 4 - Addition and Subtraction Within 200 With Word Problems to 100</li> <li>• ELA Unit 4 - Poetry / Trickster Tales</li> </ul>	<ul style="list-style-type: none"> <li>• SS Unit 5 - Georgians and Civil Rights</li> <li>• Science Unit 5 - Matter</li> <li>• Math Module 5 - Addition and Subtraction Within 1000 With Word Problems to 100</li> <li>• ELA Unit - Main Topic/ Dramas</li> </ul>	<ul style="list-style-type: none"> <li>• SS Unit 6 - Georgia Leaders</li> <li>• Science Unit 6 - Life Cycles</li> <li>• Math Module 6 - Foundations of Multiplication and Division</li> <li>• ELA Unit 6 - Point of View / Ask and Answer Questions</li> </ul>
<b>Learner Profile Trait</b>	Inquirers Thinkers Open-minded	Inquirers Communicators Reflective	Inquirers Thinkers Open-minded	Open-minded Reflective Thinkers	Knowledgeable Thinkers Risk-takers (Courageous)	Principled Caring Balanced
<b>Approaches to</b>	Communication	Communication	Communication	Social Skills	Communication	Communication

# Cascade Elementary School's IB Programme of Inquiry

## 2022-2023



Learning (ATL Skills)	Skills Thinking Skills	Skills Thinking Skills Research Skills	Skills Research Skills Self-management Skills	Research Skills Self-management Skills	Skills Social Skills	Skills Research Skills
<b>Specialist Team Support</b>	<ul style="list-style-type: none"> <li>• Music- Sing the Push/Pull song and roleplay situations where you push and pull.</li> <li>• Spanish-will learn the vocabulary (government democracy, president, elections, senate, congress).</li> <li>• Art-Study shape and form.</li> <li>• Physical Education Connection-Students will strike an object using force while observing motion. (Baseball Bat, Golf Club, Kick)</li> </ul>	<ul style="list-style-type: none"> <li>• Music- sing "5 Regions" by Caleb Duttweiler</li> <li>• Spanish- Video of the native American from Mexico.</li> <li>• Art-Draw pictures of cultural holidays.</li> <li>• Physical Education Connection-Identify how eating healthy assists with growth in the life cycle.</li> </ul>	<ul style="list-style-type: none"> <li>• Music- Sing "I'm a Star- The Stars Song" Spanish-Video from a</li> <li>• Spanish-speaking country . The students will share their opinions after watching it.</li> <li>(Compare and contrast cultures around the world.</li> <li>• Art-Study how art tells a story.</li> <li>• Physical Education Connection-Compare past and present famous Georgia athletes.</li> </ul>	<ul style="list-style-type: none"> <li>• Music- Sing songs related to how we are connected/how things changes from past to present</li> <li>• Art-Georgia Artists Today and Long Ago</li> <li>• Physical Education Connection-Compare nutrition long ago to nutrition today.</li> </ul>	<ul style="list-style-type: none"> <li>• Music- Learn the motions and song "Dr. King"</li> <li>• Spanish- Video of Simon Bolivar (South America).</li> <li>• Art- Color Theory</li> <li>• Physical Education Connection-Perform baseball skills highlighting Jackie Robinson.</li> </ul>	<ul style="list-style-type: none"> <li>• Music- Sing the Metric System Conversion song</li> <li>• Spanish-Video of the animal in the real habitat (Amazon rainforest).</li> <li>• Art- Students draw habitats.</li> <li>• Physical Education Connection-Perform relay races at different metric lengths.</li> </ul>

# Cascade Elementary School's IB Programme of Inquiry 2022-2023



Revised August 2022

## 3rd Grade

Dates	IB Unit 1 (5 weeks) August 1- September 2	IB Unit 2 (4 weeks) September 5- September 30	IB Unit 3 (8 weeks) October 3- December 9	IB Unit 4 (8 weeks) December 12- February 17	IB Unit 5 (6 weeks) February 27-April 14	IB Unit 6 (6 weeks) April 17- May 26
Theme	Sharing the Planet	Where We Are in Place and Time	Who We Are	How the World Works	How We Express Ourselves	How We Organize Ourselves
An Inquiry into	<i>Communities and the relationships within and between them</i>	<i>Homes and journeys</i>	<i>Rights and responsibilities</i>	<i>The interaction between the natural world (physical and biological) and human societies</i>	<i>An inquiry into the ways in which we discover and express ideas, feelings, nature, culture, beliefs and values</i>	<i>The structure and function of organizations</i>
Central Idea	Location shapes experiences.	The interdependence of people and geography influences change.	The relationships between resources, people and beliefs impact the environment.	The relationships between resources, people and beliefs, and how they influence everyday life and survival.	The structure of systems can influence behaviors.	The classification of systems provides structure for our world.
Key Concepts	Form Function	Function Causation	Causation Connection	Form Causation Responsibility	Function Perspective Responsibility	Function Change Connection
Related Concepts	location properties systems	geography migration interdependence	survival conservation interdependence	properties impact erosion citizenship initiative	systems structure truth citizenship	transformation structure classification

# Cascade Elementary School's IB Programme of Inquiry

## 2022-2023



<p><b>An inquiry into...</b></p> <p><b>Lines of Inquiry</b></p>	<p>Ways location can lead to change.</p> <p>Relationship between organisms and environments.</p>	<p>Interdependence of organisms and their environment.</p> <p>Ways life has evolved over time.</p>	<p>Relationship between people and the environment.</p> <p>How people use their environments to survive.</p> <p>Relationship between conflict and change and how it affects organisms.</p>	<p>How natural resources shape everyday life in various locations.</p> <p>Beliefs and ideas that contributed to migration and colonization.</p> <p>How people use their environment to survive.</p>	<p>Roles and responsibilities of systems in government.</p> <p>How ideas and beliefs affect decisions.</p> <p>Ways the past can influence current perspectives.</p>	<p>Impact of economics on our daily lives.</p> <p>How productive resources work.</p> <p>Ways attributes are used to classify.</p>
<p><b>Topics/Skills</b></p>	<ul style="list-style-type: none"> <li>• SS Units 1 &amp; 2 - Connecting the Themes / United States Geography</li> <li>• Science Unit 1 - Plants, Animals and Habitats in GA Northern Regions</li> <li>• Math - Module 1 Relationship Between Multiplication &amp; Division</li> <li>• ELA - Main Idea, Character Traits, Compare/Contrast Themes, Settings, and Plots, Text Features</li> </ul>	<ul style="list-style-type: none"> <li>• SS Unit 3 - American Indians: Past and Present</li> <li>• Science Unit 2 - Plants, Animals and Habitats in GA Southern Regions</li> <li>• Math Module 2: Units Of Measurements</li> <li>• ELA - Character motivation and change, Compare and contrast</li> </ul>	<ul style="list-style-type: none"> <li>• SS Unit 4 - Let's Go Exploring</li> <li>• Science Unit 3 - Pollution and Human Impact</li> <li>• Math - Module 3 Multiplication &amp; Division</li> <li>• ELA - Multiple-meaning words; Fables, folktales, and myths from diverse cultures; Point of view; Informational Writing</li> </ul>	<ul style="list-style-type: none"> <li>• SS Unit 5 - British Colonial America</li> <li>• Science Unit 4 - Rocks and Soils</li> <li>• Math - Module 5 - Fractions and Module 6- Data</li> <li>• ELA - Main Idea and details; Text illustrations; Relationship between historical events, scientific ideas or concepts</li> </ul>	<ul style="list-style-type: none"> <li>• SS Unit 6 - American Government Basics</li> <li>• Science Unit 5 - Fossils</li> <li>• Math - Module 6- Data and Module 7- Geometry and Measurement</li> <li>• ELA - Opinion Writing; Recount stories; Determine the central message, lesson, or moral</li> </ul>	<ul style="list-style-type: none"> <li>• SS Unit 7 - Economics 101</li> <li>• Science Unit 6 - Heat Energy</li> <li>• Math - End of the year review</li> <li>• ELA - Compare and contrast the most important points and key details presented in two texts on the same topic; Distinguish their own point of view from author; Narrative Writing</li> </ul>
<p><b>Learner Profile Trait</b></p>	<p>Balanced Open-minded Reflective</p>	<p>Risk-takers (Courageous) Reflective</p>	<p>Open-minded Reflective Caring</p>	<p>Inquirers Thinkers</p>	<p>Knowledgeable Communicators Open-minded</p>	<p>Principled Risk-takers (Courageous) Inquirers</p>

# Cascade Elementary School's IB Programme of Inquiry

## 2022-2023



Approaches to Learning (ATL Skills)	Communication Skills Thinking Skills Research Skills	Communication Skills	Communication Skills Research Skills	Communication Skills Research Skills	Communication Skills Social Skills Thinking Skills	Thinking Skills Research Skills Self-management Skills
<b>Specialist Team Support</b>	<ul style="list-style-type: none"> <li>• Music- Sing a song about the 5 Georgia Regions</li> <li>• Art-making art with recycled material.</li> <li>• Physical Education-Relate the equator to the line of symmetry on a field or court.</li> </ul>	<ul style="list-style-type: none"> <li>• Art-Family Portraits (past and present)</li> <li>• Physical Education Connection-Discuss how physical education has shaped our culture.</li> <li>• Music: Sing the Adaptations song</li> </ul>	<ul style="list-style-type: none"> <li>• Music- Students will sing Save Our Planet.</li> <li>• Spanish-the students will learn the planets in Spanish and discuss our rights and responsibilities to our planet.</li> <li>• Art- Collage of your favorite things</li> <li>• Physical Education Connection- Play a fitness game sorting recyclable items. Students will sort paper and plastic objects and use loco-motor skills to put objects in the proper recycle bin (rights and responsibilities as world citizens).</li> </ul>	<ul style="list-style-type: none"> <li>• Art-Students draw a landscape</li> <li>• Spanish- The students will do research about the Native in Mexico (the Maya, Aztecas) and how they used natural resources to survive.</li> <li>• Physical Education Connection= Students will observe the texture of soil while playing outside.</li> </ul>	<ul style="list-style-type: none"> <li>• Art-Rocks and Art students learn how rocks/fossils can be used in jewelry making.</li> <li>• Spanish-The students will learn and use the vocabulary (Democracy, Government, The Constitution).</li> <li>• Physical Education Connection- Students will discuss why rules and laws help sports and society.</li> <li>Music- The Constitution Rap</li> </ul>	<ul style="list-style-type: none"> <li>• Music: Sing- Goods and Services</li> <li>• Physical Education Connection- Virtual field trip of Mercedes Benz stadium's good and services.</li> <li>• Spanish-Video of a Market place in Madrid, Spain. The students will compare and contrast.</li> <li>• Art-Journal Making</li> </ul>

# Cascade Elementary School's IB Programme of Inquiry 2022-2023



## 4th Grade

Revised August 2022

Dates	IB Unit 1 (7 weeks) August 1- September 16	IB Unit 2 (6 weeks) September 19- November 4	IB Unit 3 (6 weeks) November 7- January 6	IB Unit 4 (6 weeks) January 9- February 17	IB Unit 5 (6 weeks) February 27- April 14	IB Unit 6 (6 weeks) April 17- May 26
Theme	Where We Are in Place and Time	How We Express Ourselves	How the World Works	Sharing the Planet	Who We Are	How We Organize Ourselves
An Inquiry into	<i>The relationships between, and the interconnectedness of, individuals and civilizations, from local and global perspectives</i>	<i>An inquiry into the ways in which we discover and express ideas, feelings, nature, culture, beliefs and values</i>	<i>The interaction between the natural world (physical and biological) and human societies</i>	<i>Peace and conflict resolution</i>	<i>Beliefs and values</i>	<i>Economic activities and their impact on humankind and the environment</i>
Central Idea	The changes and movement of people affect our world.	Physical systems affect human systems.	Resources affect movement and migration.	Systems are shaped by the interdependence of humans and resources.	Government systems determine our rights and responsibilities.	Structures shape our experiences.
Key Concepts	Form Causation Change	Change Perspective	Function Change Connection	Causation Change Connection Responsibility	Form Function Causation	Form Function Causation Responsibility
Related Concepts	changes movement impact cycles	patterns beliefs energy	systems transformation relationships	balance impact adaptation interdependence citizenship	structure communication role sequences	economics role consequences values

# Cascade Elementary School's IB Programme of Inquiry 2022-2023



<p><b>An inquiry into...</b></p> <p><b>Lines of Inquiry</b></p>	<p>Ways location can lead to change. How perspectives influence experiences.</p>	<p>How change influences patterns.</p> <p>Rights and responsibilities in various environments.</p> <p>Ways we express values through systems.</p>	<p>Patterns that shape our systems.</p> <p>Ways civilizations expand.</p>	<p>The relationships between organisms and their environment.</p> <p>The journey to equality and equal opportunities.</p> <p>How various perspectives can lead to conflict and influence peace.</p> <p>The relationship between the parts of a system.</p>	<p>Major events and consequences.</p> <p>Contributions of historical figures.</p> <p>Ways literary contributions influence society.</p>	<p>Ways systems become balanced and unbalanced.</p> <p>How people's economic behaviors and choices influence standards of living.</p>
<p><b>Topics/Skills</b></p>	<ul style="list-style-type: none"> <li>• SS Unit 1 - Connecting Themes</li> <li>• Science Unit 1 - (Solar System) Planets and Stars</li> <li>• Math- Module 1- Place Value</li> <li>• ELA- Theme and Main Idea/supporting details, writing realistic fiction</li> </ul>	<ul style="list-style-type: none"> <li>• SS Unit 2 - Forming a New Nation</li> <li>• Science Unit 2 - (Solar System) Earth, Moon, &amp; Sun Relationship</li> <li>• ELA - character feelings/motivations/intentions, plot, point of view, compare/contrast, writing informational</li> <li>• Math- Module 3- Multi Digit Multiplication and Division</li> </ul>	<ul style="list-style-type: none"> <li>• SS Unit 3 - Challenges of a New Nation</li> <li>• Science Unit 3 - Water Cycle and Weather</li> <li>• Math- Module 5 Fractions</li> <li>• ELA - realistic fiction, historical fiction, inferencing, writing informational and persuasive essay</li> </ul>	<ul style="list-style-type: none"> <li>• SS Unit 4 - The Nation Expands</li> <li>• Science 4 - Ecosystems</li> <li>• ELA- Drawing Inferences, Theme; poetry, myths, drama, context clues, character traits, writing literary essays</li> <li>• Math- Module 5- Fractions Module 6- Decimal Fractions</li> </ul>	<ul style="list-style-type: none"> <li>• SS Unit 5 - Civil War and Reconstruction</li> <li>• Science Unit 5 - Sound/Light</li> <li>• ELA- Meaning of Words and Phrases, Text Structure, First and Secondhand Accounts; text features, setting, author's purpose and message, test-taking strategies, writing literary essay</li> <li>• Math- Module 6- Decimal Fractions and Module 4- Angle Measurement and Plane Figures</li> </ul>	<ul style="list-style-type: none"> <li>• SS Unit 6 - Economics</li> <li>• Science Unit 6 - Balance and Unbalance forces</li> <li>• ELA- Describing Setting, Connecting Text to Visual Representation, Main Idea; fantasy, info from illustrations and graphs, Test taking strategies-Write Score</li> <li>• Math- Module 7-Measurement</li> </ul>
<p><b>Learner Profile Trait</b></p>	<p>Inquirers Communicators Open-minded</p>	<p>Inquirers Reflective Open-minded Caring</p>	<p>Inquirers Knowledgeable Thinkers</p>	<p>Thinkers Risk-takers (Courageous)</p>	<p>Inquirers Reflective Caring</p>	<p>Thinkers Principled Balanced Reflective</p>

# Cascade Elementary School's IB Programme of Inquiry

## 2022-2023



<b>Approaches to Learning (ATL Skills)</b>	Communication Skills	Communication Skills Thinking Skills Research Skills	Communication Skills Social Skills	Communication Skills Research Skills	Communication Skills Research Skills Self-management Skills	Communication Skills Thinking Skills Self-management Skills
<b>Specialist Team Support</b>	<ul style="list-style-type: none"> <li>• Music- Learn and sing "The Great American Melting Pot"</li> <li>• Spanish-Learn and compare the traditions around the world.</li> <li>• Art-Journal Making</li> <li>• Physical Education Connection-Practice sports skills for around the world.</li> </ul>	<ul style="list-style-type: none"> <li>• Music: Analyze the lyrics of songs and discuss what the writer was trying to express.</li> <li>• Spanish-Learn the vocabulary in Spanish and compare it with other countries (Constitution, Capitol, Government).</li> <li>• Art-Books Art tells a story in pictures.</li> <li>• Physical Education Connection- Solve a sports math word problem.</li> </ul>	<ul style="list-style-type: none"> <li>• Music- Discuss the meaning of the lyrics of "The Star-Spangled Banner"</li> <li>• Spanish-Learn the vocabulary and compare the weather around the world.</li> <li>• Art-Create a paper quilt.</li> <li>• Physical Education Connection-Students will record personal fitness data.</li> </ul>	<ul style="list-style-type: none"> <li>• Music- Create a booklet that compares and contrasts the key signature in music to a simple fraction.</li> <li>• Spanish-Virtual trip to the Amazon Rainforest.</li> <li>• Art-Create a Sculpture (Trash to Treasure)</li> <li>• Physical Education Connection-Compare and Contrast simple fractions using four food groups.</li> </ul>	<ul style="list-style-type: none"> <li>• Music- Discuss the lyrics of Reconstruction by Ed Sheeran.</li> <li>• Spanish-learn the vocabulary (Constitution, Government, Civil War).</li> <li>• Art-Paint a family member close to you.</li> <li>• Physical Education Connections-Students will solve a sports word problem.</li> </ul>	<ul style="list-style-type: none"> <li>• Music- Watch and discuss "\$7.50 Once a Week" Schoolhouse Rock</li> <li>• Spanish-Research and compare the different currencies in the world.</li> <li>• Art-How did innovations affect the art process.</li> <li>• Physical Education Connection-Students will use their feet to create force to kick a ball.</li> </ul>



# Cascade Elementary School's IB Programme of Inquiry 2022-2023



## 5th Grade

Revised August 2022

Dates	IB Unit 1 (7 weeks) August 1- September 16	IB Unit 2 (6 weeks) September 19- November 4	IB Unit 3 (8 weeks) November 7- January 20	IB Unit 4 (6 weeks) January 23- March 10	IB Unit 5 (5 weeks) March 13- April 21	IB Unit 6 (5 weeks) April 24- May 26
Theme	Who We Are	How We Organize Ourselves	How the World Works	Where We Are in Place and Time	How We Express Ourselves	Sharing the Planet
<b>An Inquiry into</b>	<i>Beliefs and values</i>	<i>An inquiry into the interconnectedness of human-made systems and communities</i>	<i>The interaction between the natural world (physical and biological) and human societies</i>	<i>An inquiry into orientation in place and time</i>	<i>An inquiry into the ways in which we discover and express ideas, feelings, nature, culture, beliefs and values</i>	<i>Communities and the relationships within and between them</i>
<b>Central Idea</b>	Citizenship, business, and government influence growth and development in our society.	Resources impact growth and transformation.	Beliefs and ideas influence changes in a society.	Forces create change and movement.	Location influences our perspectives and experiences.	Structures impact how various systems function.
<b>Key Concepts</b>	Function Causation Responsibility	Causation Perspective	Form Causation Change	Form Change Connection	Function Change Connection	Form Function Causation Change
<b>Related Concepts</b>	roles impact Rights Beliefs Values	Resources Impact Truth	Ideas Similarities Differences Beliefs Impact	Movement Force Sequences Leadership Relationships	Properties Transformation Location	Structure Systems Consequences Transformation

# Cascade Elementary School's IB Programme of Inquiry

## 2022-2023



	Development		Relationships			
<b>An inquiry into...</b>  <b>Lines of Inquiry</b>	<p>How beliefs and ideals shape experiences.</p> <p>Ways forces affect humans and the environment.</p>	<p>How perspectives lead to conflict and cooperation.</p> <p>Economic systems and functions.</p> <p>Ways organisms are shaped by structure and interdependence.</p>	<p>How beliefs of individuals, groups, and institutions are developed.</p> <p>Cause and effect of societal changes that affect everyday life.</p> <p>How organisms adapt to change.</p> <p>The relationship between energy and force.</p>	<p>The impact of leadership on a society.</p> <p>Cause and effect relationships between dynamics.</p>	<p>The impact of beliefs and values on daily life.</p> <p>Ways interactions influence outcomes.</p>	<p>How technological advances impact our world.</p> <p>Ways systems are interconnected.</p>
<b>Topics/Skills</b>	<ul style="list-style-type: none"> <li>• SS Units 1 &amp; 2 - Connecting the Themes / Citizenship, Business, and the Government</li> <li>• Science Unit 1 - Constructive and Destructive Forces</li> <li>• ELA Unit 1 - Character Analysis and Structure</li> <li>• Math - Understanding the Place Value System</li> </ul>	<ul style="list-style-type: none"> <li>• SS Unit 3 - Bigger, Better, Faster: The Changing Nation</li> <li>• Science Unit 2 - Classification &amp; Inheritance and Variation of Traits</li> <li>• Math- Place Value and Operations with Decimals</li> <li>• ELA Unit 2 - Multiple Accounts and Character Challenges</li> </ul>	<ul style="list-style-type: none"> <li>• SS Units 4 &amp; 5 - War and Prosperity World War I and the 1920s / The Great Depression and the New Deal</li> <li>• Science Unit 3 - Cells and Microorganisms</li> <li>• Math- Addition and Subtraction of Fractions</li> <li>• ELA Unit 3 - Relationships</li> </ul>	<ul style="list-style-type: none"> <li>• SS Units 6 &amp; 7 - Another World War / War Turns Cold</li> <li>• Science Unit 4 - Electricity and Magnetism</li> <li>• ELA Unit 4 - Main Idea, Supporting Details, and Summarizing</li> <li>• Math-Addition and Multiplication with Volume and Area</li> </ul>	<ul style="list-style-type: none"> <li>• SS Unit 8 - Civil Rights Addresses Civil Wrongs</li> <li>• Science Unit 5 - Physical and Chemical Changes</li> <li>• ELA Unit 5 - Figurative Language</li> <li>• Math- Problem Solving with Coordinate Planes</li> </ul>	<ul style="list-style-type: none"> <li>• Social Studies Units 9 &amp; 10 - United States from 1975 to the Digital Age / Effective Citizenship Conclusion</li> <li>• No Science Unit</li> <li>• ELA Unit 6 - Interactions Between Two Things</li> <li>• Math-End of the Year Review</li> </ul>
<b>Learner Profile Trait</b>	<p>Knowledgeable</p> <p>Principled</p> <p>Thinkers</p> <p>Risk-takers</p>	<p>Open-minded</p> <p>Caring</p>	<p>Thinkers</p> <p>Communicators</p> <p>Open-minded</p> <p>Risk-takers</p>	<p>Inquirers</p> <p>Knowledgeable</p> <p>Principled</p>	<p>Risk-takers (Courageous)</p> <p>Reflective</p>	<p>Principled</p> <p>Balanced</p>

# Cascade Elementary School's IB Programme of Inquiry 2022-2023



	(Courageous)		(Courageous)			
<b>Approaches to Learning (ATL Skills)</b>	Communication Skills	Communication Skills	Communication Skills Thinking Skills	Communication Skills Social Skills	Communication Skills Social Skills Self-management Skills	Communication Skills Self-management Skills
<b>Specialist Team Support</b>	<ul style="list-style-type: none"> <li>• Music- "Bill of Rights Rap"</li> <li>Spanish - Research and compare the cultures from different countries.</li> <li>• Art-Tell a story of who we are in pictures.... (Book Arts)</li> <li>• Physical Education Connection-Students will generate sports word problems.</li> </ul>	<ul style="list-style-type: none"> <li>• Music- Analyze lyrics to "The Great Depression" rap</li> <li>• Spanish- the students will research about different countries (economy).</li> <li>• Art -students will research and discuss the works of "The Great Depression" Photographer Gordon Parks.</li> </ul>	<ul style="list-style-type: none"> <li>• Spanish- The students will learn the vocabulary (plant and animals).</li> <li>• Music- Learn "Plant Cell Clique" Sung Science</li> <li>• Art--Students will look at how printing and the printmaking process has changed over time.</li> </ul>	<ul style="list-style-type: none"> <li>• Music- Learn Crust and Mantle Rap</li> <li>• Spanish-Learn the vocabulary in the language (tornado, hurricanes, lighting storms)</li> <li>• Art-Students will create a collage of the images in the civil rights movement.</li> </ul>	<ul style="list-style-type: none"> <li>• Music- Learn States of Matter song (solid, liquid, gas); Sing the Solid, Liquid, Gas song.</li> <li>• Spanish - Write and learn the vocabulary in Spanish.</li> <li>• Art- Students will study self-portraits created over time and produce one of their own; taking a liquid to a solid by exploring the plaster process.</li> <li>• Physical Education Connection- Students will identify 3 states of matter and perform tasks on task cards.</li> </ul>	<ul style="list-style-type: none"> <li>• Spanish- the students will investigate the currency in other countries and compare with the dollar.</li> </ul>