

# Ocean Knoll's 2017-2018 Program of Inquiry

## Key Concepts

	<b>Who We Are</b>	<b>Where We Are in Place and Time</b> (History & Geography)	<b>How We Express Ourselves</b>	<b>How the World Works</b>	<b>How We Organize Ourselves</b> (Economics & Civics)	<b>Sharing the Planet</b>
	<p><b>An inquiry into</b> the nature of the self; beliefs and values; personal, physical, mental, social and spiritual health; human relationships including families, friends, communities, and cultures; rights and responsibilities; what it means to be human.</p>	<p><b>An inquiry into</b> orientation in place and time; personal histories; homes and journeys; the discoveries, explorations and migrations of humankind; the relationships between and the interconnectedness of individuals and civilizations.</p>	<p><b>An inquiry into</b> 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.</p>	<p><b>An inquiry into</b> the natural world and its laws; the interaction between the natural world and societies; how humans use their understanding of scientific principles; the impact of scientific and tech. advances on society and environment.</p>	<p><b>An inquiry into</b> the interconnectedness of human-made systems and communities; the structure &amp; function of organizations; societal decision-making; economic activities and their impact on humankind and the environment.</p>	<p><b>An inquiry into</b> the rights and responsibilities in the struggle to share finite resources with people/living things; communities and the relationships within and between them; access to equal opportunities; peace and conflict resolution.</p>
K	<p><b><u>6 - Who We Are</u></b> Date: May 7</p> <p>Central idea: In communities, people have roles which benefit their members.</p> <p>An inquiry into: Roles that community members have (<i>responsibility</i>)</p> <p>Interdependent relationships between a community and its members (<i>function</i>)</p> <p>The benefits that a community provides (<i>connection</i>)</p>	<p><b><u>2 - Where We Are in Place and Time</u></b> Date: Nov 6</p> <p>Central Idea: Things change over time.</p> <p>An inquiry into: Life long ago (<i>change</i>)</p> <p>Family roles then and now (<i>change</i>)</p> <p>How inventions have changed lives around the world (<i>causation</i>)</p>	<p><b><u>1 - How We Express Ourselves</u></b> Date: Aug 21</p> <p>Central Idea: People express their feelings through different art forms.</p> <p>An inquiry into: Feelings (<i>reflection</i>)</p> <p>Forms of expression through the arts (<i>perspective</i>)</p> <p>How traditional art around the world makes us feel (<i>connection</i>)</p>	<p><b><u>3 - How the World Works</u></b> Date: Jan 8</p> <p>Central Idea: Understanding cycles and patterns allows people to make predictions.</p> <p>An inquiry into: Weather patterns (<i>form</i>)</p> <p>The effect of weather on people's lives (<i>function</i>)</p> <p>Using patterns to make predictions (<i>function</i>)</p>	<p><b><u>4 - How We Organize Ourselves</u></b> Date: Feb 12</p> <p>Central Idea: Symbols represent histories and cultures.</p> <p>An inquiry into: Symbols and their meaning (<i>form</i>)</p> <p>School and family culture (<i>causation</i>)</p> <p>Different ways history and culture can be represented (<i>function</i>)</p>	<p><b><u>5 - Sharing the Planet</u></b> Date: March 19</p> <p>Central Idea: As caretakers, humans have a responsibility to protect the environment so the needs of plants and animals can be met.</p> <p>What living things need to survive. (<i>connection</i>)</p> <p>How the environment meets the needs of plants and animals (<i>connection</i>)</p> <p>Human impact on the environment (<i>connection/responsibility</i>)</p>

1	<p><b>1 - Who We Are</b></p> <p>Date: Aug 21</p> <p>Central Idea: Active involvement of citizens transforms society.</p> <p>Rules and responsibilities in a society (function)</p> <p>Respect for the rights of others (responsibility)</p> <p>Solving social problems and decision-making dilemmas in a democracy (function, responsibility)</p>	<p><b>5 - Where We Are in Place and Time</b></p> <p>Date: April 16</p> <p>Central Idea: Human migrations change populations.</p> <p>Reasons people migrate and the various benefits and challenges (reflection)</p> <p>The benefits and challenges of a diverse population. (reflection)</p> <p>Understanding how the contributions of immigrants have transformed our society (reflection)</p>	<p><b>6 - How We Express Ourselves</b></p> <p>Date: may 14</p> <p>Central Idea: Culture shapes our beliefs and values.</p> <p>Human beliefs and values (perspective)</p> <p>How culture affects our daily life (perspective)</p> <p>Cultural diversity (perspective)</p>	<p><b>4 - How the World Works</b></p> <p>Date: Feb 5</p> <p>Central Idea: Observation of space systems leads to discovery.</p> <p>Movement of the Sun, Moon, and Earth (causation)</p> <p>Effects of sunlight and the moon on the Earth (causation)</p> <p>How technology advances the study of Sun, Moon, and Stars (change)</p>	<p><b>2 - How We Organize Ourselves</b></p> <p>Date: Sept 18</p> <p>Central Idea: Human needs and wants connect communities.</p> <p>Where goods come from (connection)</p> <p>How natural resources affect the exchange of goods and services (connection)</p> <p>How needs and wants differ globally (connection)</p>	<p><b>3 - Sharing the Planet</b></p> <p>Date: Nov 27</p> <p>Central Idea: Mimicking nature inspires sustainable design.</p> <p>The structure and development of organisms (form)</p> <p>How plants and animals respond to stimuli (function)</p> <p>Responsible design utilizing functions and/or behaviors of organisms (form/function)</p>
2	<p><b>4 - Who We Are</b></p> <p>Date: Jan 8</p> <p>Central Idea: Leadership transforms vision into action.</p> <p>An inquiry into: How heroes make a difference. (responsibility)</p> <p>How leaders are created.(causation)</p> <p>How leaders' vision creates change (perspective)</p>	<p><b>5 - Where We Are in Place and Time</b></p> <p>Date: Feb 20</p> <p>Central idea: Exploring the past shapes our understandings of today.</p> <p>An inquiry into: Family histories (connection)</p> <p>How life today differs from our ancestors'. (change)</p> <p>How family life differs around the world. (connection)</p>	<p><b>1 - How We Express Ourselves</b></p> <p>Date: Aug 21</p> <p>Central Idea: Creative expression can unite us.</p> <p>An inquiry into: Famous visual art (reflection)</p> <p>How self perception and attitude impacts expression. (perspective)</p> <p>How self expression unites us. (connection)</p>	<p><b>3 - How the World Works</b></p> <p>Date: Nov 6</p> <p>Central Idea: Changing properties of matter can solve problems.</p> <p>An inquiry into: The three states of matter. (form)</p> <p>Physical and chemical changes in matter. (change)</p> <p>How manipulating matter increases its uses. (change)</p>	<p><b>2 - How We Organize Ourselves</b></p> <p>Date: Sept 18</p> <p>Central idea: Members of communities are affected by choices and actions.</p> <p>An inquiry into: Making laws (function)</p> <p>Consequences of wrongdoers. (causation)</p> <p>How communities depend on one another to meet needs and solve problems. (responsibility)</p>	<p><b>6 - Sharing the Planet</b></p> <p>Date: April 16</p> <p>Central Idea: Sustainable resources depend on the relationship between plants and animals.</p> <p>An inquiry into: Plant parts and needs. (function)</p> <p>The importance of pollination and seed dispersal. (causation)</p> <p>Relationships between plants and animals in various habitats. (connection)</p>

3	<p><b><u>2 - Who We Are</u></b></p> <p>Date: Sept 18</p> <p><b>Central idea:</b> An individual's actions impact their relationships.</p> <p>An inquiry into: How actions and words demonstrate character (connection)</p> <p>How actions influence others' perception (reflection)</p> <p>How character impacts relationships with peers, families, and friends (responsibility)</p>	<p><b><u>5 - Where We Are in Place and Time</u></b></p> <p>Date: Feb 20</p> <p><b>Central idea:</b> People's interactions with cultures and the environment shape communities and regions over time.</p> <p>An inquiry into: How physical geography affects the local inhabitants way of life (causation)</p> <p>Why people choose to explore, migrate and settle (perspective)</p> <p>Differing cultural values and how they impact a community's lifestyle over time (change)</p>	<p><b><u>1 - How We Express Ourselves</u></b></p> <p>Date: Aug 21</p> <p><b>Central Idea:</b> Morals can be communicated through creative expression.</p> <p>An inquiry into: The elements of fables, folktales and myths (form)</p> <p>Universal morals and how they are conveyed (connection)</p> <p>How similar morals are expressed through various forms of art (connection)</p>	<p><b><u>6 - How the World Works</u></b></p> <p>Date: April 16</p> <p><b>Central idea:</b> Forces determine an object's motion.</p> <p>An inquiry into: The natural laws of motion (function)</p> <p>Types of interactions between objects. (causation)</p> <p>Applying knowledge of balance, electric, and magnetic forces (causation)</p>	<p><b><u>4 - How We Organize Ourselves</u></b></p> <p>Date: Jan 8</p> <p><b>Central idea:</b> Government systems influence how citizens participate in their community.</p> <p>An inquiry into: Citizens' rights and responsibilities (responsibility)</p> <p>The structure of government (form)</p> <p>Civic Engagement (perspective)</p>	<p><b><u>3 - Sharing the Planet</u></b></p> <p>Date: Nov 20</p> <p><b>Central idea:</b> Human interactions with the environment shape an organism's development.</p> <p>The life cycles of diverse life forms. (change)</p> <p>Inheritance and how environments cause variations of traits. (causation)</p> <p>An organism's behaviors and how they affect survival in an environment. (causation)</p> <p>The relationship between humans and organisms. (connection)</p>
4	<p><b><u>6 - Who We Are</u></b></p> <p>Date: May 21</p> <p><b>Central Idea:</b> Internal and external body structures determine how we process information.</p> <p>An inquiry into: Internal and external body structures (form)</p> <p>Systems that transfer information (function)</p> <p>The brain's role in perception and response (function)</p>	<p><b><u>4 - Where We Are in Place and Time</u></b></p> <p>Date: Feb 5</p> <p><b>Central idea:</b> Human migration presents opportunities and challenges.</p> <p>An inquiry into: Motivation for immigrating (causation)</p> <p>How immigrants impacted the development of California (change)</p> <p>Unexpected challenges immigrants face. (perspective)</p>	<p><b><u>1 - How We Express Ourselves</u></b></p> <p>Date: Aug 21</p> <p><b>Central Idea:</b> Literature themes communicate ideas that can inspire discovery and change.</p> <p>An inquiry into: The similarities and differences between different types of literature (connection)</p> <p>Themes in literature (perspective)</p> <p>How literature promotes change (reflection)</p>	<p><b><u>2 - How the World Works</u></b></p> <p>Date: Oct 2</p> <p><b>Central Idea:</b> Humans adapt to earth's natural processes of change by understanding scientific principles.</p> <p>An inquiry into: Evidence of earth's landscape changes (change)</p> <p>What causes the earth to change. (causation)</p> <p>How we can minimize the effects of earth's changes. (causation/change)</p>	<p><b><u>5 - How We Organize Ourselves</u></b></p> <p>Date: April 5</p> <p><b>Central Idea:</b> Cross-cultural assimilation can impact the equity, sustainability and economy of existing systems.</p> <p>An inquiry into: What makes an equitable and sustainable community (causation)</p> <p>Economic and political shifts when cultures integrate. (causation)</p> <p>The differing perspectives of the native and european cultures during the mission period. (perspective)</p>	<p><b><u>3 - Sharing the Planet</u></b></p> <p>Date: Dec 4</p> <p><b>Central Idea:</b> People use knowledge of energy to sustain Earth's resources.</p> <p>An inquiry into: Different ways energy is transferred. (function)</p> <p>The utilization of natural resources to produce energy. (causation)</p> <p>Minimizing the environmental effects of energy use. (responsibility)</p>

5	<p><b>5 - Who We Are</b> DATE: April 16</p> <p><b>Central Idea:</b> Expression of our beliefs and values shape our societies</p> <p><b>An inquiry into:</b> How beliefs and values are formed (causation)</p> <p>Differing beliefs and values in societies (causation)</p> <p>How people’s beliefs and values are reflected in their society (reflection)</p>	<p><b>4 - Where We Are in Place and Time</b> DATE: Jan 22</p> <p><b>Central Idea:</b> People take great risks to pursue their liberty.</p> <p><b>An inquiry into:</b> Relationships between citizens and government (perspective)</p> <p>The need for change through revolution (change)</p> <p>Responsibility once liberty has been achieved. (responsibility)</p>	<p><b>1 - How We Express Ourselves</b> DATE: Aug 21</p> <p><b>Central Idea:</b> People project their creativity to the world in unique ways.</p> <p><b>An inquiry into:</b> Human expression (function)</p> <p>Artistic expression (form)</p> <p>What makes us unique (perspective)</p>	<p><b>2 - How the World Works</b> DATE: Oct 9</p> <p><b>Central Idea:</b> Technological advances allow the dispersal of people and ideas.</p> <p><b>An inquiry into:</b> Historical impact of technology (causation)</p> <p>How exploration leads to change (connection)</p> <p>Intersection of technology and society (change)</p>	<p><b>6 - How We Organize Ourselves</b> DATE: May 7</p> <p><b>Central Idea:</b> Financial and social literacies benefit our global economy.</p> <p><b>An inquiry into:</b> The circular flow of goods and services in our world’s markets. (connection)</p> <p>How economic decisions impact communities and their sustainability. (causation)</p> <p>Understanding how our classroom learning relates to real world literacies and responsibilities. (responsibility)</p>	<p><b>3 - Sharing the Planet</b> DATE: Nov 27</p> <p><b>Central Idea:</b> The uneven distribution of the essential resource, water, leads to cooperation or conflict.</p> <p><b>An inquiry into:</b> The distribution of freshwater sources (function)</p> <p>Who controls access to water (function/responsibility)</p> <p>How we use water (responsibility)</p>
6	<p><b>6 - Who We Are</b> DATE: April 16</p> <p><b>Central Idea:</b> The search for balance can lead to action.</p> <p><b>An inquiry into:</b> Finding mental, spiritual, and physical balance (Reflection)</p> <p>How our sense of self relates to our culture (reflection)</p> <p>The factors that shape our identity (connection)</p> <p>How to set and measure personal goals (change)</p> <p>*Exhibition*</p>	<p><b>2 -Where We Are in Place and Time</b> DATE: Oct 2</p> <p><b>Central Idea:</b> Ancient civilizations contribute to modern day systems.</p> <p><b>An inquiry into:</b> The elements of settlements (form)</p> <p>The growth and change of settlements into civilizations (change)</p> <p>How systems within civilizations lead to stability (causation)</p>	<p><b>1 - How We Express Ourselves</b> DATE: Aug 21</p> <p><b>Central Idea:</b> Our perception of beauty is rooted in our sensory experiences and cultural make-up.</p> <p><b>An inquiry into:</b> How sensory experiences are created within the body (function)</p> <p>The function of figurative language within a body of text (function)</p> <p>What is beauty (perspective)</p> <p>How sensory input creates meaning (connection)</p>	<p><b>5 - How the World Works</b> DATE: Feb 20</p> <p><b>Central Idea:</b> Our knowledge of scientific principles can help us solve global problems.</p> <p><b>An inquiry into:</b> Types of energy (function))</p> <p>How temperature changes through the transfer of heat (change)</p> <p>How the design process can help us solve problems (reflection)</p>	<p><b>4 - How We Organize Ourselves</b> DATE: Jan 8</p> <p><b>Central Idea:</b> Civil disobedience can influence government decisions that promote or deny justice.</p> <p><b>An inquiry into:</b> Ancient civilizations and their government structures (function)</p> <p>Different types of government and their impact on the citizens (perspective)</p> <p>Types of governments which support social justice (responsibility)</p>	<p><b>3 - Sharing the Planet</b> DATE: Nov 20</p> <p><b>Central Idea:</b> Human behavior impacts earth’s climate.</p> <p><b>An inquiry into:</b> Determinants of weather patterns (causation)</p> <p>How unequal heating of the earth affects climate (causation)</p> <p>How minimizing global warming supports equal opportunity to natural resources (responsibility)</p>

