

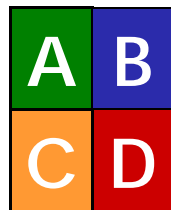
ECKERD EDUCATIONAL EXPERIENCE

A PRODUCT OF ECKERD YOUTH ALTERNATIVES

Section II:
E³ 4-Square System
Quarterly Curriculum Map

The 4-Square Theme Clusters

The formatting used for the E³ Curriculum 4-Square System will be referenced throughout the curriculum. For ease of understanding, and as a quick reference to related documents, the color coding represents the correlation to each theme cluster. This color-coded 4-Square System is the foundational reference in the following teacher planning procedures: when accessing essential questions; when correlating academic and the EYA core program components; and when determining content knowledge for themes.



<div data-bbox="310 978 391 1083" style="background-color: green; color: white; padding: 5px; text-align: center; font-weight: bold;">A</div> <p style="text-align: center;">Cluster A: <u>A</u>dventures, Trips & Exploration</p>	<div data-bbox="816 978 898 1083" style="background-color: blue; color: white; padding: 5px; text-align: center; font-weight: bold;">B</div> <p style="text-align: center;">Cluster B: <u>B</u>uilding Design, Math & Technology</p>
<div data-bbox="310 1440 391 1545" style="background-color: orange; color: white; padding: 5px; text-align: center; font-weight: bold;">C</div> <p style="text-align: center;">Cluster C: <u>C</u>ivics, Citizenship & Community Living</p>	<div data-bbox="816 1440 898 1545" style="background-color: red; color: white; padding: 5px; text-align: center; font-weight: bold;">D</div> <p style="text-align: center;">Cluster D: <u>D</u>eciding to Change, Self-Care & My Future</p>

Essential Questions & Universal Themes

Adventures, Trips & Exploration

- Why does mankind explore, and how does man survive nature and the elements?
- Why does man risk hardship to move toward a goal, despite the risks?
- What would happen if the earth ran out of water that was fit for human consumption?
- How are artists, writers, performers, scientists, mathematicians and explorers important to a culture and to society?
- What roles do landforms, waterways and weather play in the formation of cultures around the world?
- Why consider sustainability and the future? What can we learn from the past?
- How do life experiences and events influence human perceptions?
- What are man's shortcomings and liabilities? Strengths and assets?

Building Design, Math & Technology

- Why does man have a need to invent, create, discover?
- Why build magnificent structures?
- What are the basic principles of design?
- What is productivity, and why use project management?
- Where do new ideas come from?
- How are risk and reward related?
- What is so fascinating about the possibility of life on other planets?
- What are the origins of the universe? What is the future of our planet?

Civics, Citizenship & Community Living

- What do we learn in our families?
- What is culture? Why does man live in groups?
- What is social justice?
- Why give back to your community?
- What causes a group to fight?
- Why problem solve for peace?
- What is a hero? A humanitarian? An activist? A philanthropist?
- What makes a good leader?
- Why are governments formed?
- Why do countries find themselves at war?

Deciding to Change, Self-Care & My Future

- What is healthful living?
- How are decision making and consequences related?
- What is culture? Why is it important to civilization? Why does man live in groups?
- Why advocate for health and wellness for yourself, your family and the world?
- Why do the right thing? What is regulation all about?
- Why are traditions and celebrations important to a community?
- How are education and earning potential related?
- What do you stand for? How do we know this?

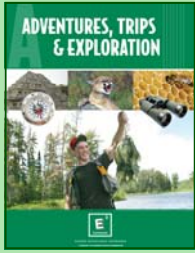
A fully integrated system designed to serve the academic and social-emotional needs of at-risk youth.

4 Theme Clusters, 12 Individual Themes

The four theme clusters are broken down into 12 individual comprehensive themes. Required academic standards form the framework for applied learning and hands-on experiential components of the EYA program.



A	Quarter 1	<p>Quarter 1 Focus: Earth Science, Environment, Ecology, Biology</p> <p>A 1</p> <p>Adventures, Trips & Exploration</p>	<p>A (1-1) Wild America</p> <p>A (1-2) Animal Encounter</p> <p>A (1-3) Mesoamerican Mysteries</p>
B	Quarter 2	<p>Quarter 2 Focus: Physical Science, Technology, Engineering, Practical Arts, Math</p> <p>B 2</p> <p>Building Design, Math & Technology</p>	<p>B (2-1) Rocket Science</p> <p>B (2-2) Medieval Knights</p> <p>B (2-3) Planes, Trains, Automobiles</p>
C	Quarter 3	<p>Quarter 3 Focus: American & World History, Government, Economics, Careers</p> <p>C 3</p> <p>Civics, Citizenship & Community Living</p>	<p>C (3-1) Minding My Business</p> <p>C (3-2) Being of Service</p> <p>C (3-3) War & Peace</p>
D	Quarter 4	<p>Quarter 4 Focus: Health, Wellness, Physical Fitness, Food & Nutrition, Self-Care, Leadership, Career Success</p> <p>D 4</p> <p>Deciding to Change, Self-Care & My Future</p>	<p>D (4-1) Food & Nutrition</p> <p>D (4-2) The Human Machine</p> <p>D (4-3) Deciding to Change</p>



Thematic Units of Study

Cluster A:

Adventures, Trips & Exploration

Academic topics may include, but are not limited to, these...

Wild America— Environmental Science & Outdoor Survival

A (1-1)

Animal Encounter— Diversity of Life, Energy Cycles, Classification Systems, Biomes of the World

A (1-2)

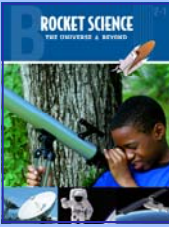
Mesoamerican Mysteries Revealed— People, Civilizations, Elements of the Earth, Earthquakes & Volcanoes

A (1-3)

- Outdoor Survival Skills
- Plant & Animal Safety
- Hiking, Boating & Swimming Safety; Water Certifications
- Life Along the River—Early Explorers, Expeditions, Important Cities & Current-Day Ports of Call, US & World
- Navigation, GPS, Map Reading, Trip Planning
- Creation Stories & Folklore of the Earth, Sea & Sky
- Weather Tools & Maps, Daily Forecasting, Cloud Formations, Satellites, Radar, Hurricane Rating Scales
- Atmosphere, Lithosphere, Hydrosphere
- Severe Weather, Natural Disasters; Weathering & Erosion; Volcano, Tsunami
- Ecology: Organisms & Their Environments, Stewardship of the Earth
- Pollution Solutions—*Going Green*

- Classification Systems; Plants, Animals, Taxonomy Applications—Soil & Water Testing
- Man & Nature, a Delicate Balance—Diversity & Interdependence Within Habitats & Ecosystems
- Food Chains, Energy Pyramids, Adaptation, Survival
- Producers, Consumers & Decomposers
- Energy Transformations: Nitrogen Cycle, Carbon Cycle, Photosynthesis
- World Biomes Project
- People, Places, Cultures—Animal & Nature-related Stories, Indigenous People
- Geographic Understandings
- Natural Resources, Man-made Resources, Handicrafts, Cottage Industries
- Plants & Animals as Food; Cultural Differences

- North & Central America & African Nations (People Relocated as Slaves)
- Impacts of Forced Relocation on African Cultures & Native Americans
- Ancient Civilizations Comparison Project
- Development & Collapse of Civilizations
- Earth Processes & Geological Understandings; Use of Natural Resources
- Sun Gods, the Night Sky, Culture, Creation Stories & Folklore, Fact vs. Fiction
- Food, Family Fun, Festivals & Cultural Celebrations
- Amazing Architectural Feats: Gardens, Monuments, City Planning
- Latino, African, & Native America Today: Social, Political & Economic Trends



Thematic Units of Study

Cluster B:

Building Design, Math & Technology

Academic topics may include, but are not limited to, these...

<p>Rocket Science— The Universe & Beyond</p> <p style="text-align: center;">B (2-1)</p>	<p>Medieval Knights (& Renaissance Days)— The Dark Ages, Feudalism & Enlightenment</p> <p style="text-align: center;">B (2-2)</p>	<p>Planes, Trains, Automobiles (& Other Things that Fly & Float) — Transportation & Going Green</p> <p style="text-align: center;">B (2-3)</p>
<ul style="list-style-type: none"> • Rocket Science: Physical & Chemical Reactions Involved in a Rocket Launch • Design Teams & NASA Technologies: Study Problem Solving on Apollo 13 Flight • Astronomers & Tools, Optical Telescopes, Spectroscopes, Space Probes • Race for Space, Super Powers, Soviets vs. US, Cold War, Espionage, Missile Crisis • Earth’s Place in the Universe; Cosmos, Milky Way, Nebulae, Black Holes, Comets, Asteroids • Constellations & the Night Sky, Culture-related Folklore & Creation Stories from Around the World • Comparing Scientific Theories of the Origin of the Universe • Life Cycle of Stars, Gravitational Collapse, Thermonuclear Fusion 	<ul style="list-style-type: none"> • Building Big! Architecture, Technology & Principles of Design • 2-D & 3-D Modeling • Castle Construction, Cathedrals & Stained Glass • Physics of Weaponry & Warfare: Fire Arrows, Spiked Mace Clubs, Lance & Armor, Siege Tower, Trebuchet • Feudalism, Social Classes, Royalty, Knights & Chivalry • Food & Celebrations: Minstrels, Medieval Festivals, Fairs, Town Criers, Magic • Ancient Medicine & Disease, Alchemy, Sorcerers, Wizards; The Black Plague • Enlightenment, Rebirth of Ideas, New Understandings in Science & Math • Renaissance Men: Leonardo da Vinci, Michelangelo • Sculpting, Painting, Music, Open-minded Exploration 	<ul style="list-style-type: none"> • Transportation, Travel & International Tourism • Physics of Bicycle Riding, Cars & Motorcycles • Mouse Trap Cars, Pinewood Derby Racing • War Vehicles & Watercraft: Viking Ships, Steamships, Paddleboats, Subs & Tanks • Aerodynamics of Flight: Birds, Bees, Bats; Hot Air Balloons, Kites, Blimps • Famous Land, Air & Sea Disasters • Trade Routes: Famous Rivers, Harbors, Railroad & International Routes • Energy Transformation & <i>Going Green</i>: Alternative Fuels & Transportation; Biomass, Thermal Heat, Hybrid Study, Solar Grid • Hovercraft, Tunnels, Speed Trains & the Future



Thematic Units of Study

Cluster C:

Civics, Citizenship & Community Living

Academic topics may include, but are not limited to, these...

<p>Minding My Business— Free Enterprise, Stock Market & Financial Literacy</p> <p>C (3-1)</p>	<p>Being of Service— Civics, Citizenship, Community Living & Giving Back</p> <p>C (3-2)</p>	<p>War & Peace— Conflict, Chaos & Compromise</p> <p>C (3-3)</p>
<ul style="list-style-type: none"> • Ancient Trade Routes, Money Systems & Markets; Global Trade Today; Sanctions, Treaties, Embargoes, Boycotts • Forms of Government & Their Related Economic Structures • What is a Free Enterprise System? Group Entrepreneurial Project—Business Plan Covering Wants & Needs, Supply & Demand, Producers & Consumers; Marketing & Distribution; Inventory, Payroll, Budgets, Break-even Points & More • Economic & Financial Literacy: Understanding Investments & the Stock Market • Working & Earning; Wages, Social Security Tax, Income Tax, Loans & Interest; Credit Card Debt • The Game of Life—Your First Car, Rent, Food Shopping & Entertainment • Independent Living & Consumer Science Skills 	<ul style="list-style-type: none"> • What is a Leader? Famous & Infamous Leaders, Related Forms of Government • Group Project—Who’s Your Hero? • Civic Duties, Citizenship: Families & Communities in Harmony • Restitution, Restoring Relationships, Letter Writing & Making Amends • How is a Service Project Planned & Managed? Keeping a Service Log • Finding Opportunities to Serve: Government-sponsored, Internships, Volunteer & Mentoring Programs, Church Ministries • Vocations & Avocations, Hobbies & Interests • Career Strategies—16 Career Clusters, US Government, Doing What You Love! • Altruism & Philanthropy 	<ul style="list-style-type: none"> • Ancient Civilizations, World History & American History Timelines—The Rise & Fall • Women’s Roles in Wartime America, Daughters of the American Revolution (DAR), Suffrage & The Vote • Internal Conflicts: From Civil War to Civil Rights 1860-1960 • World Powers, Forms of Government & Foreign Policy; International Organizations (NATO, UN) • Tragic but True: Holocaust War Camps, Japanese-American Internment • In-depth Study of War: WWI, WWII; Korean, Vietnam, Desert Storm & Gulf Wars; Iraq • Vehicles of War & Weaponry (with caution) • 21st Century Conflicts: Global Terrorism, Homeland Security, Weapons of Mass Destruction • 2008 Historic Presidential Election & the Recession



Thematic Units of Study

Cluster D:

Deciding to Change, Self-Care & My Future

Academic topics may include, but are not limited to, these...

<p>Food & Nutrition— Cooking, Consumer Skills, Family Traditions, Culture, Fitness & Food Chemistry</p> <p>D (4-1)</p>	<p>The Human Machine— Body Organs & Systems, Medical Advancements, Growth & Development</p> <p>D (4-2)</p>	<p>Deciding to Change— Health, Wellness, Self-Care, Leadership & Careers</p> <p>D (4-3)</p>
<ul style="list-style-type: none"> • Food Safety—Hot Foods HOT, Cold Foods COLD; Fight Bac!® • Reading a Cookbook: Dry & Liquid Measures, Doubling Recipes for Large Crowds, Buying & Storing Staples • Cooking Terms & Preparation Techniques: Boil, Sear, Baste, Dice, Marinate, Chop • Hosting Events & Entertaining—Party Planning & Project Management, Introductions, Table Etiquette, Invitations, Decorations & More! • Consumer Shopping Skills: Calculating Savings with Coupons, Comparison Shopping with Fliers • Reading Food Labels—Calories, Fat Grams, Protein, Carbs; Daily Allowances • Understanding & Applying Food Pyramid Concepts • Food Chemistry, Mixtures & Compounds; Digestion & Energy Transformations 	<ul style="list-style-type: none"> • Human Body Systems, Organs, Functions & Holistic Interactions • Simple & Complex Machines Within the Body • Genetics & Heredity, Adaptations over Time • The Cell as the Basis for Life (Plant & Animal) • Food for Life: the Importance of Vitamins, Minerals & Nutrients • Significance of the Nervous System; Speech & Logic • Relationships Between Mental & Physical Health • Fitness & Training Techniques—Strength Training, Weight Lifting, Body Building; Harmful Drugs • Aerobic Exercise: Heart Rate, Endurance, Hydration & Rest • Medical Technology Careers, Health Services 	<ul style="list-style-type: none"> • Responsible Self-Care; Support Groups & Networking • Social-Emotional, Mental, Physical & Spiritual Health • Forming & Maintaining Relationships: Setting Boundaries; Healthy Communication & Intimacy; Workplace Skills • Facing Adolescent Issues: Sexuality, Drug, Tobacco & Alcohol Refusal Skills; Problem Solving & Positive Action; Law -Abiding Citizenship • Who’s Your Hero? Mini-Projects: Super Heroes in Business, Folk Heroes, Heroes in Real Life • Career Awareness & Exploration, 16 Career Clusters • Graduation & After Graduation; Career-Planning Portfolio • Seven Goals of Programs • Accepting Help