

ECO LEXICON

'Brought to You by Chamber of Eco Commerce'

Mission Vision Value



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Mission

We bring together individuals and organizations, to leverage knowledge and apply core skills in order to enhance STEM education for students. We deliver a unique portfolio of educational programs and tools to inspire children and youth to study **Science, Technology, Engineering, and Math**.

Vision

We believe that a viral community of experts and learners working together will provide balanced and effective educational solutions for K-12 students, educators, and parents.

Value

We leverage and apply our passion and core expertise in STEM. We help tackle the multiple challenges of STEM education in America by connecting students and educators with experts and mentors across communities. We work closely with our fast growing network of individuals and organizations, to internally develop priorities, projects and a strategic portfolio of educational programs and tools.

Why Eco Lexicon?

According to the National Science Foundation (NSF), 'our national economic prosperity and security requires that we remain a world leader in science and technology. Pre-college STEM education is the foundation of that leadership and must be one of our highest priorities as a Nation'.

Contributors

With the continued encouragement and support from the Chamber of Eco Commerce global community of partners, supporters, donors, contributors, and sponsors Eco Lexicon reaches children and youth daily with unique education publications, training tools, workshops, and events.

About Eco Lexicon

The first STEM project was launched in 2009 through 'LetCleanWatersFlow' education platform. Since then, Eco Lexicon has expanded to build a portfolio of topic-specific education programs. Today, more than fifteen activities covering a multitude of Eco Innovation related topics appear in our portfolio. As Eco Lexicon continues to grow, so do the opportunities to continue to expand its impact. We look forward to strengthening existing relationships and forming new ones with organizations and individuals committed to the education of STEM to children and youth. New programs will be published, many of which also will be translated into other languages.

Methodology

One of the unique strengths of Eco Lexicon activities is that they go beyond providing accurate and unbiased science information. Eco Innovation is the content, but the methodology Eco Lexicon uses to deliver the content parallels what every good educator knows: that the most effective activities are relevant and hands-on helping students learn. Incorporating Science, Technology, Engineering, and Math, creative movement and a host of other disciplines to deliver the content assures that there is something for students of all ages, learning styles, and backgrounds. The cornerstone of Eco Lexicon is its methodology of teaching about Eco Innovation through hands-on, investigative, easy-to-use activities.

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Eco LeXicon Activities Are:

Accurate and science-based

Activities are reviewed by content experts and tested by educators and students. Activities are carefully monitored and assessed to ensure that strategies accurately convey the concept.

Interactive

Participants in Eco Lexicon activities are not passive observers. Engaging students through questioning and other inquiry-based strategies, educators become facilitators involving students in hands-on lessons and encouraging them to take responsibility for their own learning.

For example, students design investigations to:

- seek answers to real-world problems.
- play games to explore and innovate new scientific concepts.
- reflect, debate and share views.

Multi-sensory

Activities engage as many senses as possible. Research shows stimulation of multiple senses enhances learning.

Adaptable

While adaptable for any environment, many Eco Lexicon activities are ideal for outdoor settings and encourage children to be physically active.

Contemporary - 21st Century Skills

Eco Lexicon activities help students develop skills necessary for success in the 21st century. In most activities students work in small, collaborative groups; many activities engage students in higher-level thinking skills, requiring them to: analyze; interpret.; apply information - including problem solving, decision-making and planning; evaluate; present.

Eco Lexicon is aggressively incorporating new technology into its activities and offering materials to prepare students for participation in a global economy, in which an understanding of Eco Innovation will be critical.

Relevant

Information is not delivered in isolation. Educators are encouraged to localize activities to give them relevance.

Solution-orientation

We believe in linking awareness and education to action and solutions. In this context, our local education and mentoring partners incorporate educational materials and training with on-the-ground action and solutions.

Measurable

Eco Lexicon activities provide simple assessment tools to measure student learning.

Eco Lexicon activities are designed to complement existing curricula rather than displace or add additional concepts. Activities fulfill objectives and educational standards in the sciences, as well as other disciplines, from fine arts to health.

Contact

Please contact your local Chamber of Eco Commerce or email us: info@ChamberofEcoCommerce.com