Arts, A/V Tech & Communications

Environmental Literacy Integration Framework

This document will assist you in incorporating environmental literacy into your CTE Pathway to enhance the program by delivering content through an environmental lens and drawing direct connections between the academic content, technical learning, and integrated CTE professional development. Environmental literacy is the desired outcome of environmental education and provides our future workforce with sound scientific information, as well as skills for critical thinking and creative, strategic problem solving.

- **What is Environmental Education?**: EPA definition and importance of environmental education.
- **NOAA Education Strategic Plan:** Goal One is Environmental Literacy
- **Delaware Pathways**: Environmental literacy project page

Arts, A/V Tech & Communication

Career Cluster	Average Wage 2020	Total Openings	Percent Total Openings	New Jobs by 2030	Annual Percent Growth
Arts, A/V Tech and Communications	$49,934	1,933	0.4%	107	0.2%

The Arts, A/V Tech & Communications sector is rooted in technology and the digital world, so professionals in this field have a responsibility to lessen their energy consumption. Energy use in digital media communication creation occurs at both the production and consumption ends. For designers, the device you use, the time you spend on programs, and the processing of video or audio determine energy consumption. For consumers, energy consumption occurs every time you visit a website, watch a video, or reshare a post. Selecting energy-efficient equipment, optimizing image and video compression techniques, and processing and storing data in the cloud can make a difference. As digital tools and platforms expand, so does their carbon footprint; understanding these impacts enables creators to innovate responsibly and influence users to accept sustainable practices.

Green Arts, A/V Tech and Communications Careers

- **11 Communications Degree Jobs in the Environmental Field**: Indeed's Career Guide outlines 11 jobs in communications or related fields that can have an impact on promoting and driving sustainability.

- [5 Careers For The Environmentally-Conscious Creative Professional](#): Creativepool highlights five career paths to consider if you're interested in using your creative skills to promote a greener planet.

Incorporating "Green methods" in Arts, A/V Tech and Communications Careers

The following articles highlight green methods that professionals in the arts, A/V technology and communications industries can implement on the job–

- [Sustainable AV Design: Embracing Efficiency and Green Innovation](#)
- [Sustainability in Audiovisual System Design](#)
- [Why Av Is Key To A Greener It Strategy](#)
- [Digital Media and Sustainability: A Business Perspective](#)
- [Sustainable Graphic Design: Eco-Friendly Practices and Material](#)
- [Green Design for a More Sustainable World](#)
- [Creating Sustainable Illustration In Eco-Friendly Art](#)

Delaware Community Plugins

- Know of any initiatives to make the arts, A/V technology and communications industries more sustainable in Delaware? Let us know at the email address below!

Green Arts, A/V Tech and Communications Programs

- [Green Digital Certificate](#): The INCO Academy Green Digital Certificate teaches the basics of sustainability in tech then dives into sustainable digital design and AI.

Resources for Educators

- [NOAA Bay Backpack](#) - educational resources, action planning documents, and environmental literacy tools
- Know of any initiatives to make the arts, A/V technology and communications industries more sustainable in Delaware? Let us know at the email address below!

Blogs, Articles, Publications, and other Helpful Links

- [How AV Technology Is Redefining Sustainability in the Workplace](#)
- [Sustainable AV Design: Rethinking Technology for a Greener Tomorrow](#)
- [Communications and Journalism](#)
- [Can Art be Eco-Friendly?](#)
- [The original Website Carbon calculator](#)

Opportunities to Enhance the Framework's Resources

- Do you know of any resources that could be added to this framework to improve environmental literacy in the Arts, A/V Tech and Communications Pathway? Let us know! Lisastonertorbert@gmail.com
    - Concise web resource on integrating green methods into digital media communication from trusted source
    - Resources for educators on teaching sustainability in the arts, A/V technology and communications industries
    - Programs for students to learn about sustainability in the arts, A/V technology and communications industries