

Evidence of Standards

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AECT Standard 1 - Content Knowledge

The AECT Standard 1 – Content Knowledge is described as a standard where a candidate demonstrates the knowledge necessary to create, use, assess, and manage theoretical and practical applications of educational technologies and processes. The following five sub-standards describes how my e-portfolio and the artifacts in it demonstrate my abilities with this standard.

Creating

AECT describes this substandard as when candidates demonstrate the ability to create instructional materials and learning environments using a variety of systems approaches. The artifacts that I picked that most represents this substandard are the Online 6th Grade Music Course in Canvas LMS, Teaching with Technology Website, Online ESL Course in Blackboard LMS, and Curriculum Map. All of these projects are either tools used to make or are learning environments. The Teaching with Technology Website is a website that showcases and introduces different types of instructional materials. There are four pages on this website that go over instructional materials for four different K-12 subjects. The four used for discussion are science, social studies, ESL, and music.

Using

AECT describes this substandard as when candidates demonstrate the ability to select and use technological resources and processes to support student learning and to enhance their pedagogy. For this substandard I choose all of my artifacts as projects that demonstrate to use technological resources and processes to support student learning. Websites, learning management systems, visual aids, and teaching technology tools are all used to enhance pedagogy. The Visual Literacy section of my website has many different projects that

utilize technical resources to support student learning. I have a infographic, newsletter, brochure, promotion flyer, business card, logo design, and a visual representation of a Robert Frost Poem.

Assessing/Evaluating

AECT describes this substandard as when candidates demonstrate the ability to assess and evaluate the effective integration of appropriate technologies and instructional materials. For this substandard I picked the artifacts Online 6th Grad Music Course in Canvas LMS, Online ESL Course in Blackboard LMS, and the Curriculum Map. All of these artifacts demonstrate the use of assessment through projects and tests, and they all have components that involve the use of evaluation of both the student and the instructor. My Curriculum Map project has eight different lessons describe in it. Each lesson has it's own ways of assessing and evaluating the students and the class.

Managing

AECT describes this substandard as when candidates demonstrate the ability to effectively manage people, processes, physical infrastructures, and financial resources to achieve predetermined goals. The artifacts that I picked that most represent this substandard are the Online 6th Grade Music Course in Canvas LMS, Online ESL Course in Blackboard LMS, and the ESL Website Project. All of these artifacts have a classroom component to them in which you need to manage students and also constantly change the development and design of the website or LMS. Financial resources will need to be used in order to keep the website and LMS classes up to date and functioning at a high standard.

Ethics

AECT describes this substandard as when candidates demonstrate the contemporary professional ethics of the field as defined and developed by the Association for Educational Communications and Technology. This substandard is represented in all of my artifacts as they all demonstrate ethics such as abiding by copyright laws, fair use, creative commons, providing the best accessibility, and encourages use of netiquette. When talking about website design, LMS design, or any other technical project design it is important to understand the ethical issues and abide by them and give appropriate credit when other resources are used.

AECT Standard 2 - Content Pedagogy

The AECT Standard 2 – Content Pedagogy is described as a standard where candidates develop as reflective practitioners able to demonstrate effective implementation of educational technologies and processes based on contemporary content and pedagogy.

Creating

AECT describes this substandard as when candidates apply content pedagogy to create appropriate applications of processes and technologies to improve learning and performance outcomes. All of my artifacts could represent this substandard. However, the artifacts of Online 6th Grade Music Course in Canvas LMS, Teaching with Technology Website, and the ESL Website Project are the artifacts that represent this the most. All three of these artifacts introduce or are built to create appropriate applications of processes and technologies that are used to improve learning and performance outcomes. I try to incorporate as many different types of technologies that I feel will supplement a student's learning experiences. Different types of learning styles and are introduced to give more variety to a lesson.

Using

AECT describes this substandard as when candidates implement appropriate educational technologies and processes based on appropriate content pedagogy. Again, most of the artifacts can represent this substandard. Like the one before it, the LMS classes in Canvas and Blackboard represent this very well. Those two artifacts and the Curriculum Map project introduce technology as part of the classroom experience. They are online LMS classes where using online technology is an important aspect of teaching the courses. Each lesson has to implement a variety of technologies such as web conferencing, screencasts, YouTube videos, MOOGS, phone apps, online games, and other supplemental educational websites.

Assessing/Evaluating

AECT describes this substandard as when candidates demonstrate an inquiry process that assesses the adequacy of learning and evaluates the instruction and implementation of educational technologies and processes grounded in reflective practice. Any substandard that has to do with assessing and evaluating will go well with my three classroom projects. The Online 6th Grade Music Course in Canvas LMS, Online ESL Course in Blackboard LMS, and Curriculum Map all have sections that assess and evaluate the students, teacher, and the class itself. In the Curriculum Map project, each lesson is broken down with assessments and evaluation procedures. Evaluating online LMS courses is an important part of being able to continue to make improvements to the class from semester to semester.

Managing

AECT describes this substandard as when candidates manage appropriate technological processes and resources to provide supportive learning communities, create flexible and diverse learning environments, and develop and demonstrate appropriate content pedagogy. Both of the classroom

LMS artifacts for the Online 6th Grade Music Course in Canvas LMS and Online ESL Course in Blackboard LMS are online classes. They both use technological processes and resources to provide supportive learning communities. Since they are online, they both can be used by anyone around the world. The ESL class can be adjusted to represent and teach anyone whose first language isn't English how to speak English. My ESL Website project can also have the outreach to cultures around the world. It is important that online classes and educational websites to be available for not only diverse domestic students but be available to students worldwide. Introducing student to different MOOGS that are available online can also provide supplemental materials that is also free to the public on some of the company or school websites.

Ethics

AECT describes this substandard as when candidates design and select media, technology, and processes that emphasize the diversity of our society as a multicultural community. For this substandard I feel that all of my artifacts represent ethical standards for multicultural communities. As mentioned in the substandard above it, the online classes and the ESL website can be accessed from any place in the world that has internet. The ESL website also has a language selector in the header of each page. You can change the language of the website by easily selecting it from the dropdown menu. MOOGS, YouTube, video tutorial sites, and other types of educational resources are used to create diversity in our society as a multicultural community.

AECT Standard 3 - Learning Environments

The AECT Standard 3 – Learning Environments is described as a standard where candidates facilitate learning by creating, using, evaluating, and managing effective learning environments.

Creating

AECT describes this substandard as when candidates create instructional design products based on learning principles and research-based best practices. For this substandard, I think all of my artifacts represent creating learning environment. The artifacts that most represent this are the Online 6th Grade Music Course in Canvas LMS, Online ESL Course in Blackboard LMS, and my Curriculum Map. These artifacts used methods for creating an educational online classroom. Learning principles and lots of research were used in order to create the materials that make up those projects.

Using

AECT describes this substandard as when candidates make professionally sound decisions in selecting appropriate processes and resources to provide optimal conditions for learning based on principles, theories, and effective practices. Although all of my projects could be used, the artifacts that best represent this substandard are the ESL Website Project and Principles of Visual Literacy projects. For the ESL Website Project followed all of the principles for web design. My project for Visual Literacy followed principles for visual design to make instructional visual aids.

Assessing/Evaluating

AECT describes this substandard as when candidates use multiple assessment strategies to collect data for informing decisions to improve instructional practice, learner outcomes, and the learning environments. All of my artifacts would represent this substandard. They all have an assessment phase that was used to improve the overall quality of the learning materials. Learning outcomes and learning environments are well represented in my online classroom projects and my curriculum map.

Managing

AECT describes this substandard as when candidates establish mechanisms for maintaining the technology infrastructure to improve learning and performance. This goes along with the

assessment of each project. All of my projects can represent this substandard as each has been designed, assessed, evaluated and redesigned in order to make the project become finished. However, they all are ongoing projects as they can be constantly assessed, evaluated, and improved.

Ethics

AECT describes this substandard as when candidates foster a learning environment in which ethics guide practice that promotes health, safety, best practice, and respect for copyright, fair use, and appropriate open access to resources. This substandard falls in line with the other substandards that have to do with ethics in educational technology. All of my projects and artifacts presented in this e-portfolio are planned and created with best practices in mind.

Diversity of Learners

AECT describes this substandard as when candidates foster a learning community that empowers learners with diverse backgrounds, characteristics, and abilities. This substandard is represented in all of my artifacts as they all have learners with diverse backgrounds, characteristics, and abilities in mind. It is important to always create with diversity of learners in mind.

AECT Standard 4 - Professional Knowledge and Skills

The AECT Standard 4 – Professional Knowledge and Skills is described as a standard where candidates design, develop, implement, and evaluate technology-rich learning environments within a supportive community of practice.

Collaborative Practice

AECT describes this substandard as when candidates with their peers and subject matter experts to analyze learners, develop and design instruction, and evaluate its impact on learners. The artifacts that best represent this substandard are both of my LMS online courses in Canvas and Blackboard. Both of my courses have lessons and projects that involve group work with your peers or

classmates. This is used often with ESL classes as it is good to have a partner to work on conversational English with. Using Zoom to also collaborate with students or the teacher is a technology method that is used in both online courses.

Leadership

AECT describes this substandard as when candidates lead their peers in designing and implementing technology-supported learning. This substandard is best represented by my ESL Website Project. There were multiple groups assignments that led to the creation of my ESL website. I collaborated with peers/classmates on papers on different aspects of web design. With most of these artifacts, many are peer reviewed and sometimes graded in order to make suggestions with each other on how to improve your project.

Reflection on Practice

AECT describes this substandard as when candidates analyze and interpret data and artifacts and reflect of effectiveness of the design, development and implementation of technology-supported instruction and learning to enhance their professional growth. This substandard goes along with all of my artifacts as there is a constant reflection on how something is designed and how it could be improved upon. Constant self-education is key in making sure your educational technology skills are up-to-date and meet the current technology standards. This goes with continued education, keeping up with current trends, and reviewing and learning from the work of others.

Assessing/Evaluating

AECT describes this substandard as when candidates design and implement assessment and evaluation plans that align with learning goals and instructional activities. The three artifacts that I though best represented this substandard are both of my LMS course in Canvas and Blackboard along with my Curriculum Mapping Project. Each lesson of these projects has an assessment and

evaluation plan that helps to make sure that the learning goals and instructional activities are being met with the students of the class. If they are not being met, changes need to be made within the class's lessons and activities.

Ethics

AECT describes this substandard as when candidates demonstrate ethical behavior within the applicable cultural context during all aspects of their work and with respect for the diversity of learners in each setting. This substandard is represented in all of my artifacts. Demonstration of ethical behavior is something all designers of educational technologies must keep in mind. It is also very important to respect and consider diversity of learners when building learning environments for your students. All of my project artifacts took in consideration these aspects when they were created.

AECT Standard 5 - Research

The AECT Standard 5 – Research is described as a standard where candidates explore, evaluate, synthesis, and apply methods of inquiry to enhance learning and improve performance. The following four sub-standards are described and related to my project artifacts.

Theoretical Foundations

AECT describes this substandard as when candidates demonstrate foundational knowledge of the contribution of research to the past and current theory of educational communications and technology. This substandard is covered by all of my projects/artifacts. Each one of my artifacts required research in many areas of educational technology. It was important to look at research from the past and also look at current methods used in the present. An example of this is for class creation. In order to create classes, research should be done to provide enough accurate information

for the subject matter of the course. In addition, you want to provide researched materials for your students to explore including supplemental resources for additional learning.

Method

AECT describes this substandard as when candidates apply research methodologies to solve problems and enhance practice. Research methodologies were used in the creation of all of my project artifacts. Most notable in the creation of my Curriculum Map, Online 6th Grade Music Course in Canvas, and Online ESL Course in Blackboard. All of these project use research skills and educational theories and models to create the classes involved. Using educational theories and models to design classes are helpful with class design, lesson objectives and outcomes.

Assessing/Evaluating

AECT describes this substandard as when candidates apply formal inquiry strategies in assessing and evaluating processes and resources for learning and performance. The project artifacts that most represent this substandard are my Curriculum Map, Online 6th Grade Music Course in Canvas, and Online ESL Course in Blackboard. Assessing and evaluating processes and resources, is a vital part of any class project artifact. In order to improve on an educational project or class, you must be able to learn how it can be improved upon and make the appropriate changes. This is an ongoing process especially with online course creation. Not only does course materials change over time but courses must be evaluated for how effective they are and then be improved upon on a regular basis.

Ethics

AECT describes this substandard as when candidates conduct research and practice using accepted professional and institutional guidelines and procedures. All projects use the conducting of research and professional guidelines to make sure that the most ethical decisions are made. This includes making sure they projects are accessible to anyone that may have a handicap. All of my project

artifacts have been checked for accessibility. Other things to consider when thinking if ethics in educational coursework are making sure materials are approved and credited for copyright purposes.

References

AECTstandards2012.pdf - association for educational communications and technology adopted by the AECT Board of Directors, July 16, 2012 AECT standards.: Course hero.
AECTstandards2012.pdf - Association for Educational Communications and Technology Adopted by the AECT Board of Directors, July 16, 2012 AECT Standards, | Course Hero. (n.d.). Retrieved September 29, 2022, from <https://www.coursehero.com/file/164795626/AECTstandards2012pdf/>