

**KEY COMPETENCIES A TEXAS EE PROFESSIONAL SHOULD KNOW & DO
WHEN PLANNING AND IMPLEMENTING EE (THEME 4)**

PDS NUMBER	WHAT A Professional EE WILL KNOW	WHAT A Professional EE WILL BE ABLE TO DO	NAAEE INITIAL PREP CORRELATION	ASSESSMENT
4.1a*	Identify several different methods for presenting the environment or environmental issues to different learners depending on their age, bkgrd., level of knowledge, and abilities.	Model appropriate methods for learners in an instructional setting and describe alternative methods for engaging learners with differing backgrounds,ages,etc.	4.1.a	video of instruction or lesson plan
4.1b*	Understand how materials and strategies are developmentally appropriate for designated grade levels or levels of knowledge.	Select ee materials and strategies that are developmentally appropriate for a designated grade level. Adjust these to respond to individual differences among learners.	4.1.b	video of instruction or lesson plan
4.1c*	Understand different learning theories such as learning styles and multiple intelligences.	Organize ee instruction to accommodate different approaches to learning.	4.1.c	video of instruction or lesson plan
4.1d*	Understand theories of cognitive and moral/social development.	Apply these theories by creating an instructional plan for a particular grade level, class or group.	4.1.d	lesson plan

4.1e*	Recognize the validity of various cultural perspectives present in groups of learners.	Tailor instructional approaches to respond to varying perspectives and use them as an educational resource.	4.1.e	video of instruction or lesson plan
4.2a	Understand variety of instructional methodologies that are appropriate for learner interests.	Select topics and issues based on learners' interests and cognitive abilities.	4.2.a	scenario description on competencies worksheet
4.2b*	Understand variety of instructional methodologies that are appropriate for ee.	Use a variety of teaching methods and strategies appropriate for the ee content and context.	4.2 b	scenario description on competencies worksheet with <i>Essential Approaches to Environmental Education Instruction</i>
4.2c*	Understand appropriateness of several instructional methodologies based on learning objectives, learner characteristics, time requirements, community dynamics and policies, and available resources.	Select an appropriate methodology for a variety of conditions listed.	4.2.c	scenario description on competencies worksheet
4.3a*	Understand how to plan ee instruction to enhance coordination or integration across disciplines.	Write a lesson plan with the goal of cross discipline integration or coordination	4.3.a	lesson plan

4.3b*	Understand how an ee program meets expectations as outlined in Excellence in EE -- Guidelines for Learning, or similar conceptual framework.	Describe how lesson created for 4.3a meets relevant framework.	4.3.b	lesson plan
4.3c*	Understand how an ee program meets national science or social studies standards, and Texas Essential Knowledge and Skills	Describe how lesson created for 4.3a meets relevant standards.	4.3c	lesson plan
4.4a*	Recognize variety of ee materials available and necessity of evaluating materials using criteria from NAAEE Materials Guidelines	Evaluate ee resource you implement utilizing NAAEE Materials Guidelines	4.4.a	Competency worksheet
4.4b	Recognize ee resources available through the Internet	Identify sources of information about the environment, particular issues, or educational resources. Critically evaluate the usefulness and accuracy of resources utilizing <u>NAAEE Materials Guidelines</u> .	4.4.d	competency worksheet
4.5a*	Understand usefulness of several tools for environmental observation, measurement, and monitoring	Incorporate a variety of tools in ee program and instruct students in safe and proper use.	4.5.a	video of instruction or lesson plan

4.5b	Understand appropriateness of computer-based technologies for ee.	Demonstrate proficiency with computer-based technologies by displaying, analyzing or communicating environmental information.	4.5.b	computer-generated product
4.5c	Understand where to find sources of expertise on unfamiliar learning technologies	Identify areas of weakness in learning technologies and list sources to learn from or expertise that can be incorporated into your EE program	4.5.c	competency worksheet
4.6a*	Know characteristics of a safe and conducive learning environment	Demonstrate concern for learner safety in the design, plan and implementation of instruction.	4.6.a	video of instruction or lesson plan
4.6b	Understand appropriateness of diverse settings for ee instruction.	Use setting for ee instruction appropriate to subject matter and available resources.	4.6.b	video of instruction or lesson plan
4.6c	Understand impact of real or perceived barriers to using expanded settings for instruction.	Identify potential real or perceived barriers to using different settings and implement responses.	4.6.c	scenario description on competency worksheet
4.6d*	Understands appropriateness of utilizing learners' immediate surroundings and then expanding to larger environmental context	Implement instruction that first links content to learners' immediate surroundings and experience then expands learners' horizons to larger environmental context.	4.6.d	video of instruction or lesson plan
4.7a	Familiar with basic approaches to creating a developmentally appropriate ee curricula.	Describe approaches.	4.7.a	Competency worksheet

4.7b*	Understand how to develop an ee program that meets the educational goals of an agency or other organization.	Describe ee program you created and how it meets mission or goals of your organization.	4.7b, 4.7c	competency worksheet
4.7c*	Understand how ee can meet state education standards.	Correlate an ee program with Texas Essential Knowledge and Skills for a particular discipline and grade level.	4.7.d, 4.7e	Competency worksheet