Alabama CTE

Methods in Education (2023)

Foundational Standards	1	Incorporate safety procedures in handling, operating, and maintaining tools and machinery; handling materials; utilizing personal protective equipment; maintaining a safe work area; and handling hazardous materials and forces. F.1
	2	Demonstrate effective workplace and employability skills, including communication, awareness of diversity, positive work ethic, problem-solving, time management, and teamwork. F.2
	3	Explore the range of careers available in the field and investigate their educational requirements and demonstrate job-seeking skills including resume-writing and interviewing. F.3
	4	Advocate and practice safe, legal, responsible, and ethical use of information and technology tools specific to the industry pathway. F.4
	5	Participate in a Career and Technical Student Organization (CTSO) to increase knowledge and skills and to enhance leadership and teamwork. F.5
Instructional Methods and Strategies	1	Compare and contrast current trends in teaching strategies. Examples: teacher-centered, learner-centered, inquiry-based, content-focused,, flipped classroom, cooperative learning 1
	2	Compare and contrast current trends in teaching methods. Examples: modeling, tiered instruction, online learning, Montessori, direct and indirect learning, jigsaw, fishbowls, behavioral management, independent study, learning modalities 2
	3	Demonstrate strategies and methods for meaningful student engagement and discourse that produce higher-order questioning. Examples: Socratic circles, debates 3
	4	Demonstrate the use of instructional technology to support student learning. Examples: learner management systems, online programs, projectors, smart boards, student and teacher devices 4
Foundations of Literacy and Numeracy	5	Describe research, concepts, and teaching tools used in literacy and numeracy instruction. Examples: Science of Reading, vowel-consonant combinations, blends; ordinal numbers, place value, hundred charts, number lines, number arrays 5

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6 **Identify best practices in literacy and numeracy instruction, utilizing professional terminology and information on the current science of reading and mathematics. Examples: providing text-rich environments, emphasizing phonological awareness, reading aloud, encouraging storytelling, providing manipulatives, utilizing small group instruction** 6

7 **Using a template, develop a lesson plan that incorporates skill level and proficiency in literacy for a selected grade level utilizing standards from the Alabama Course of Study: English Language Arts.** 7

- a Present an activity from the student-created lesson plan utilizing the Alabama Course of Study: English Language Arts and complete a self-evaluation and reflection. 7.A

8 **Using a template, develop a lesson plan that incorporates skill level and proficiency in numeracy for a selected grade level utilizing standards from the Alabama Course of Study: Mathematics.** 8

- a Present an activity from the student-created lesson plan utilizing the Alabama Course of Study: Mathematics and complete a self-evaluation and reflection. 8.A

Teaching Across the Curriculum

9 **Assess the reading levels of texts across the curriculum which have similar topics and concepts.** 9

10 **Create text-dependent writing prompts based on texts selected from across the curriculum.** 10

11 **Create anchor charts and graphic organizers that incorporate literacy strategies for use in non-ELA classrooms.** 11

12 **Gather and report information on the strategies and scaffolding techniques used in instruction by educational professionals who work with special populations.** 12

13 **Create assessments aligned to grade-level standards in Alabama State Department of Education courses of study, incorporating the latest research on appropriate skill levels. Examples: criterion-referenced, rubric, formative, summative** 13

14 **Use a rubric to assess samples of student writing from various subject areas.** 14

Active Learning Practices

15 **Write reflections on active learning practices observed in educational settings. Examples: science labs, CTE labs, simulated workplaces, internships, work-based learning, project-based learning, maker spaces, learning centers, genius hours** 15

16 **Provide descriptive feedback on student work. Examples: using constructive terms, applying appropriate tone in written communication, coaching vs. praise** 16