

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](#)

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