

Methods in Education

Course Credit	1.0
Grade Levels	10-12
Prerequisites	Practices in Education OR Early Childhood Education

Methods in Education focuses on the role of educators as facilitators of learning. Students will explore the methods and strategies that enhance learning, as well as current trends in education and instructional technology. This course strongly emphasizes the sciences of literacy and numeracy. Students will apply their learning in the classroom and create research-based lessons and activities for a variety of populations.

It is required that students in this course have multiple opportunities to work in cooperating classrooms. Standards for this course may be applied across the curriculum in settings from birth through grade 12.

Career and Technical Student Organizations are integral, co-curricular components of each career and technical education course. These organizations enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and access opportunities for personal and professional growth. Students in the Education and Training cluster affiliate with FCCLA.

Foundational standards, shown in the table below, are an important part of every course. Through these standards, students learn and apply safety concepts; explore career opportunities and requirements; practice the skills needed to succeed in the workplace; take advantage of leadership, teamwork, and personal growth opportunities afforded by Career and Technical Student Organizations; and learn and practice essential digital skills. The foundational standards are to be incorporated throughout the course.

Each foundational standard completes the stem “*Students will...*”

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.
2. Demonstrate effective workplace and employability skills, including communication, awareness of diversity, positive work ethic, problem-solving, time management, and teamwork.

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.
4. Advocate and practice safe, legal, responsible, and ethical use of information and technology tools specific to the industry pathway.
5. Participate in a Career and Technical Student Organization (CTSO) to increase knowledge and skills and to enhance leadership and teamwork.

METHODS IN EDUCATION CONTENT STANDARDS

Please refer to “Directions for Interpreting Standards” on page 10

Each content standard completes the stem “*Students will...*”

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
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
3. Demonstrate strategies and methods for meaningful student engagement and discourse that produce higher-order questioning.
Examples: Socratic circles, debates
4. Demonstrate the use of instructional technology to support student learning.
Examples: learner management systems, online programs, projectors, smart boards, student and teacher devices

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

Teaching Across the Curriculum

9. Assess the reading levels of texts across the curriculum which have similar topics and concepts.
10. Create text-dependent writing prompts based on texts selected from across the curriculum.
11. Create anchor charts and graphic organizers that incorporate literacy strategies for use in non-ELA classrooms.
12. Gather and report information on the strategies and scaffolding techniques used in instruction by educational professionals who work with special populations.
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
14. Use a rubric to assess samples of student writing from various subject areas.