

## Courses aligned with the needs of elementary teachers should include:

Subject	Topic areas	To convey necessary content knowledge...
English language arts	<b>Composition</b>	A course should review the stages of writing, mechanics and grammar, and different forms of writing.
	<b>Children's literature</b>	A course should cover nursery rhymes, myths and fables, picture books, and the origin, use, and critique of children's literature. The focus should not be on pedagogy, nor should the course include adolescent literature.
	<b>World literature</b>	A course should offer a survey of the influential works of European and non-Western literature and covers the many genre forms from the epic, the tale, poetry, and prose to the modern novel.
	<b>American literature</b>	A course should cover the more influential works that have shaped American history, including political tracts, essays, and autobiographies, as well as the American imagination through poetry, plays, and novels.
Elementary math <i>(generally three or more courses that collectively cover the following topics)</i>	<b>Numbers and operations</b>	A course should cover whole numbers, fractions and integers, decimals, and estimation and rounding.
	<b>Algebra</b>	A course should cover constants and variables, equations, and graphs and functions.
	<b>Geometry</b>	A course should cover measurement; basic concepts of plane geometry; polygons and circles; and perimeter, area, and volume.
	<b>Data analysis</b>	A course should cover probability and data characteristics.
Social studies	<b>Early and modern U.S. history</b>	This topic merits two courses, one that should cover the main events of U.S. history from early Native American populations before colonization, the American revolution, through the Civil War; and a second course that takes students from Reconstruction through modern times.
	<b>Ancient and modern world history</b>	This topic merits two courses, one that should cover human origins, ancient civilizations, and medieval times through the Renaissance; and a second course that covers modern world history from the Enlightenment through modern times.
	<b>World geography</b>	A course should address the earth's physical features and the human geopolitical impact on the world.
Science	<b>Biology</b>	A course should cover the natural science of life and living organisms.
	<b>Physics and earth sciences <i>(includes physical science, geology, astronomy, climatology, and oceanography)</i></b>	A course should cover the basic principles of physics (matter and energy) and/or many of the branches of earth science, such as geology, earth science, astronomy, climatology, and oceanography.
	<b>Chemistry</b>	A course should cover the investigation of the components of matter and how they interact.
Fine arts	<b>Music history</b>	A course should cover musical styles, history of music, composers and musicians, as well as elements of music (beat, rhythm, notation).
	<b>Art history</b>	A course should cover elements of art, as well as artistic styles and artists aligned with history.