

# English

## Single Subject

Candidate for a Single Subject English credential,

During interrelated activities in program coursework and fieldwork, you must:

1. learn specific teaching strategies to effectively teach the state-adopted academic content standards for students in English-Language Arts
2. understand how to plan and deliver instruction of increasing complexity in reading, writing, speaking and listening, and language to ensure that students meet or exceed the standards
3. understand how to make English-Language Arts comprehensible to students and the need for students to use all forms of language as tools for thinking, learning and communicating
4. understand how to teach the skills for reading and comprehending complex literary and informational texts; interpreting meaning; analyzing structure of texts; and evaluating perspective
5. teach students how to produce argumentative, informative, and narrative text; implement the writing process; conduct research projects; and write for a range of tasks, purposes, and audiences
6. select appropriate teaching strategies to develop students' abilities to read and comprehend narrative and informational texts and to cite specific evidence when offering an oral or written interpretation of a text.
7. understand how to teach formal and informal speaking and listening skills including collaboration, conversation and presentation of knowledge and ideas
8. understand how to teach vocabulary acquisition and use, standard English conventions, and functions of language in various contexts
9. model and assist students to integrate technology and media into language arts when conducting research, producing and publishing writing, creating multimedia presentations, and interacting and collaborating with others
10. provide students the opportunity to use and evaluate strengths and limitations of media and technology as integral tools in the classroom
11. know how to determine the skill level of students through the use of meaningful indicators of reading and language arts proficiency prior to instruction, how to determine whether students are making adequate progress in skills and concepts taught, and how to determine the effectiveness of instruction and students' proficiency after instruction

TPE 1: Teaching English-Language Arts in a Single Subject Assignment

<http://www.ctc.ca.gov/educator-prep/TPA-files/TPes-Full-Version.pdf>

# History-Social Science

## Single Subject

Candidate for a Single Subject History-Social Science credential,

During interrelated activities in program coursework and fieldwork, you must:

1. learn specific teaching strategies to effectively teach the state-adopted academic content standards for students in history-social science
2. enable students to learn and use analytic thinking skills in history and social science while attaining the state-adopted academic content standards for students
3. use timelines and maps to reinforce students' sense of temporal and spatial scale
4. teach students how social science concepts and themes provide insights into historical periods and cultures
5. help students understand events and periods from multiple perspectives by using simulations, case studies, cultural artifacts, works of art and literature, cooperative projects, and student research activities
6. teach students to independently read, comprehend, and evaluate instructional materials that include increasingly complex subject-relevant texts and graphic/media representations presented in diverse formats
7. teach students to write argumentative and expository text in the content area
8. connect essential facts and information to broad themes, concepts and principles, and relate history-social science content to current or future issues
9. teach students how cultural perspectives inform and influence understandings of history
10. select and use age-appropriate primary and secondary documents and artifacts to help students understand a historical period, event, region or culture
11. ask questions and structure academic instruction to help students recognize prejudices and stereotypes
12. create classroom environments that support the discussion of sensitive issues (e.g., social, cultural, religious, race, and gender issues), and encourage students to reflect on and share their insights and values. You must design activities to counter illustrate multiple viewpoints on issues
13. provide students the opportunity to use and evaluate strengths and limitations of media and technology as integral tools in the classroom
14. monitor the progress of students as they work to understand, debate, and critically analyze social science issues, data, and research conclusions from multiple perspectives

# Science

## Single Subject

Candidate for a Single Subject History-Social Science credential,

During interrelated activities in program coursework and fieldwork, you must:

1. learn specific teaching strategies to effectively teach the state-adopted academic content standards for students in science
2. balance the focus of instruction between science information, concepts, and principles
3. explain, demonstrate, and provide class activities to illustrate science concepts, and principles, scientific investigation, and experimentation
4. emphasize the importance of accuracy, precision, and estimation
5. provide students the opportunity to use and evaluate strengths and limitations of media and technology as integral tools in the classroom
6. encourage students to pursue science interests, especially students from groups underrepresented in science careers
7. teach students to provide ethical care when live animals are present in the classroom
8. demonstrate sensitivity to students' cultural and ethnic backgrounds in designing science instruction
9. teach students to independently read, comprehend, and evaluate instructional materials that include increasingly complex subject-relevant texts and graphic/media representations presented in diverse formats
10. teach students to write argumentative and expository text in the content area
11. guide, monitor and encourage students during investigations and experiments
12. demonstrate and encourage use of multiple ways to measure and record scientific data, including the use of mathematical symbols
13. structure and sequence science instruction to enhance students' academic knowledge to meet or exceed the state-adopted academic content standards for students
14. establish and monitor procedures for the care, safe use, and storage of equipment and materials, and for the disposal of potentially hazardous materials

TPE 1 Teaching Science in a Single Subject Assignment

<http://www.ctc.ca.gov/educator-prep/TPA-files/TPEs-Full-Version.pdf>

# Mathematics

## Single Subject

Candidate for a Single Subject History-Social Science credential,

During interrelated activities in program coursework and fieldwork, you must:

1. learn specific teaching strategies to effectively teach the state-adopted academic content standards for students in mathematics (7-12)
2. enable students to understand basic mathematical computations, concepts, and symbols, to use them to solve common problems, and to apply them to novel problems
3. help students understand different mathematical topics and make connections among them
4. help students solve real-world problems using mathematical reasoning and concrete, verbal, symbolic, and graphic representations
5. provide a secure environment for taking intellectual risks and approaching problems in multiple ways
6. model and encourage students to use multiple ways of approaching mathematical problems,
7. encourage discussion of different solution strategies
8. foster positive attitudes toward mathematics, and encourage student curiosity, flexibility, and persistence in solving mathematical problems
9. help students in Grades 7-12 to understand mathematics as a logical system that includes definitions, axioms, and theorems, and to understand and use mathematical notation and advanced symbols
10. assign and assess work through progress-monitoring and summative assessments that include illustrations of student thinking such as open-ended questions, investigations, and projects

TPE 1 Teaching Mathematics in a Single Subject Assignment

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