COLORADO
Department of Education

Educator Talent Division
http://www.cde.state.co.us/educatortalent

Initial or Alternative Teacher License Evaluation Worksheet

Demonstration of Professional Competencies & Depth of Content Knowledge

Science (Grades 6-12)

Applicant

Legal name: | Date:

Requirements

Endorsement content knowledge must be demonstrated by at least one of the following measures for each content area (see below). Please note, if you select the Portfolio option to demonstrate a content knowledge category, it is your responsibility to ensure that evidence provided aligns with the Colorado Department of Education's teacher preparation standards. For more information about educator preparation standards, please see this webpage. To learn more about content covered on Praxis exams, please visit this webpage.

Science

- Praxis 5435: Official score report required (152 or higher)
- Coursework: Minimum of B- (list in grid below); syllabi and official transcript required
- Portfolio review: Artifacts demonstrating attainment of standards outlined below required

In the grid below, list the evidence by which you are demonstrating content knowledge. It is essential that thorough and complete information is provided for each row inclusive of listing all courses and evidence being utilized. Praxis subscores may be one piece of evidence for a section of content and also must be accompanied by additional evidence such as coursework.

SCIENCE	**Praxis Test Code/Name and Score:**	
Categories for which you must demonstrate content knowledge **Candidates must possess knowledge of concepts, including:**	**Course #(s)/Title(s) and Grade(s)**	**Portfolio Description and Evidence**
Scientific Methodology, Techniques, and History • Scientific methodology, techniques, and history • Scientific data collection and experiments • Laboratory materials: procedures and equipment • Safety and emergency procedures • Core scientific practices • Historical scientific developments • Example courses include the following: science methods, pedagogy for science teachers, scientific experimentation, interconnected nature of science, inquiry-based instruction, conceptual science, laboratory safety and legal requirements		

Physical Science • Basic principles of physical science • Chemistry • Physics • Example courses include the following: physics, chemistry, organic chemistry, inorganic chemistry, quantum and atomic, sound, or optics		
Life Science • Cell structure and function • Cell reproduction • Biochemistry of life • Genetics • Hierarchical classification • Plant structures and functions • Anatomy and physiology • Ecology • Biology • Example courses include the following: biology, environmental biology, biotechnology, genetics, evolution, anatomy & physiology, ecology, molecular biology, matter & energy in living systems		
Earth and Space Science • Physical geology • Historical geology • Earth • Meteorology and climate • Astronomy • Example courses include the following: historical and physical geology, astronomy, environmental science, meteorology, oceanography, geomorphology, stratigraphy, mineralogy, earth systems		
Science, Technology, and Society • Impacts on environment and society • Energy production issues and natural resource management • Applications of science and technology • Science and public health issues • Mathematics • Example courses include the following: courses that address the above bullets for this section		

Submission of this worksheet must be accompanied by all evidence listed in the grid above. You must receive approval prior to submitting an application for an initial teacher license.