



National Evaluation Series™

How to Map the Test Framework to Courses Taken

Mapping the test framework to courses taken is an activity designed to help candidates analyze their readiness to take the NES tests by evaluating whether the course work they have completed covers the knowledge and skills assessed. As a candidate for educator licensure, you may wish to complete the following steps to aid in your test preparation. A sample completed worksheet is provided on page 2.



Obtain a copy of the test framework worksheet for the NES test you are preparing to take. These worksheets are available from the "Mapping the Test Framework to Courses Taken" page.



Enter your name and today's date in the "Notes" area at the top of the page. You may complete this worksheet multiple times during your educator preparation in order to chart your progress in studying the material covered on the NES tests.



Review your records of the courses you have taken to date. Enter each relevant course as a column heading on the worksheet.



Review each test competency to determine whether these courses covered the knowledge and skills identified by each test competency. You may wish to review the complete test framework for the field, which can be found in the NES Profile, and use the descriptive statements for each test competency to guide this activity

If the knowledge and skills tested by a competency are covered by the course, mark the appropriate box. Leave boxes blank to indicate content not covered. See the following page for an illustration of how to complete the worksheet.



When the worksheet is complete, you may evaluate your preparedness or ask your academic advisor to review the worksheet with you to determine whether you have completed sufficient course work to be prepared to test.



National Evaluation Series™

Test Framework Worksheet

Middle Grades General Science

Test Code
204

Notes:

Enter your name and the date, and list the relevant courses you have taken as column headings.

Joe Smith 11/16/2010

		Multiple-Choice Questions (approx.)	Test Proportion (approx.)	Earth's History 121	Intro to Biology 110	Principles of Physics 113	Honors Science 258
CONTENT DOMAIN I—NATURE OF SCIENCE		29	19%				
Competency	0001	Understand principles and procedures of scientific inquiry.			✓	✓	✓
	0002	Understand the history and nature of science.		✓			
	0003	Understand the relationships between science, technology, engineering, mathematics, and society.					
CONTENT DOMAIN II—PHYSICAL SCIENCE		45	31%				
Competency	0004	Understand the properties and characteristics of matter.				✓	
	0005	Understand physical and chemical changes in matter.				✓	
	0006	Understand the characteristics and transformations of different forms of energy.				✓	
	0007	Understand relationships between force, mass, and motion.				✓	
	0008	Understand characteristics and properties of mechanical and electromagnetic waves.				✓	✓
CONTENT DOMAIN III—LIFE SCIENCE		38	25%				
Competency	0009	Understand the characteristics, organization, and processes of cells.			✓		✓
	0010	Understand characteristics and life processes of living organisms.			✓		
	0011	Understand the concepts and principles related to genetics, the theory of evolution, and the classification of organisms.			✓		
	0012	Understand characteristics of different biomes, relationships between organisms, population dynamics, and the flow of matter and energy through ecosystems.					
CONTENT DOMAIN IV—EARTH AND SPACE SCIENCE		38	25%				
Competency	0013	Understand the history of Earth, characteristics of Earth materials and resources, and the geologic processes that shape Earth.		✓			
	0014	Understand characteristics and properties of the hydrosphere.					
	0015	Understand Earth's atmosphere, weather, and climate.		✓			
	0016	Understand characteristics of the solar system and the universe.		✓			

Leave boxes blank to indicate content not covered.

Mark boxes to indicate content covered by one or more courses.