National Evaluation Series™

How to Map the Test Framework to the Curriculum

Mapping the test framework to the curriculum is an activity that helps faculty analyze the alignment of their curricula with the NES tests. As a faculty member, you may wish to complete the following steps to aid in your analysis. A sample completed worksheet is provided on page 2.

- Obtain a copy of the test framework worksheet for the NES test that maps to your curriculum content. These worksheets are available from the "Mapping the Test Framework to the Curriculum" page.
- Use the "Notes" area at the top of the page to make annotations relevant to your analysis.
- Review the curriculum of each course that provides instruction to candidates who will take the NES tests. Enter each relevant course as a column heading on the worksheet.
- Review each test competency to determine whether the course or courses you are analyzing cover 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, review how your curriculum covers the knowledge and skills assessed on the selected NES test to determine if any changes in the curriculum may be needed to better prepare educator candidates for testing.

National Evaluation Series™
Test Framework Worksheet
Middle Grades General Science

Test Code 204

Notes:

Enter the relevant courses as column headings and add relevant annotations.

Honors Science course content currently under review by faculty advisory team

			Multiple-Choice Questions (approx.)	Test Proportion (approx.)	Honors Science 258	Evolutionary Biology 300		
	CONTENT DOMAIN I—NATURE OF SCIENCE		**29**	**19%**				
Competency	0001	Understand principles and procedures of scientific inquiry.			✓			
Competency	0002	Understand the history and nature of science.			✓			
Competency	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.						
Competency	0005	Understand physical and chemical changes in matter.						
Competency	0006	Understand the characteristics and transformations of different forms of energy.						
Competency	0007	Understand relationships between force, mass, and motion.						
Competency	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.				✓		
Competency	0010	Understand characteristics and life processes of living organisms.				✓		
Competency	0011	Understand the concepts and principles related to genetics, the theory of evolution, and the classification of organisms.			✓	✓		
Competency	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.			✓			
Competency	0014	Understand characteristics and properties of the hydrosphere.						
Competency	0015	Understand Earth's atmosphere, weather, and climate.						
Competency	0016	Understand characteristics of the solar system and the universe.			✓			

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

Leave boxes blank to indicate content not covered.