

Elementary, Middle and High School BLUEPRINT

Assessments are based on the Kentucky Academic Standards for Science.

Science Assessment Blueprint

The Blueprint has dual purposes. It provides targets for test development and information to teachers as they make instructional decisions.

This blueprint outlines how the items/clusters are distributed for test construction within each of the assessment grade spans. Because the standards within the Kentucky Academic Standards (KAS) for Science are categorized by domain (life, earth & space, physical, engineering design) this familiar classification was also chosen to use in determining the categories for this assessment blueprint.

It is important to note that the three-dimensional nature of the KAS for Science remains unchanged, so the Science and Engineering Practices and Crosscutting Concepts associated with the standards within each domain will continue to be assessed through multi-dimensional questions organized around phenomena. Classification by science domain should not be perceived as an indication that only Disciplinary Core Ideas will be assessed.

Note: the Engineering Design category refers only to those standards labeled as ETS1: those standards identified with an asterisk (*) as incorporating engineering design are counted within their primary domain classification.

Grade 4	
Domain	Target %
Physical Science	30-45
Life Science	20-35
Earth and Space Science	25-40
Engineering Design (ETS1) for grades K-2 and 3-5	5-15

Grade 7	
Domain	Target %
Physical Science	35-50
Life Science	15-30
Earth and Space Science	15-30
Engineering Design (ETS1) for grades 3-5 and MS	5-15

High School	
Domain	Target %
Physical Science	20-35
Life Science	30-45
Earth and Space Science	20-35
Engineering Design (ETS1) for MS and HS	5-15

