

Elementary, Middle and High School BLUEPRINT

Assessments are based on *the Kentucky Academic Standards (KAS) 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 *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. (For examples of released items, click [here](#).) 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	20-30
Engineering Design (ETS1) for grades 3-5 and MS	5-15

Grade 11	
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