

## Illinois Science Assessment Grade 8 Blueprint

Domain	Percent of Items	Disciplinary Core Ideas Performance Expectations	Number of Operational Clusters	Science & Engineering Practices	Crosscutting Concepts
Earth & Space Science	30-35	MS-ESS1-1, MS-ESS1-2, MS-ESS1-3, MS-ESS1-4, MS-ESS2-1, MS-ESS2-2, MS-ESS2-3, MS-ESS2-4, MS-ESS2-5, MS-ESS2-6, MS-ESS3-1, MS-ESS3-2, MS-ESS3-3, MS-ESS3-4, MS-ESS3-5	4	Asking Questions & Defining Problems Developing & Using Models Planning & Carrying Out Investigations	Patterns Cause & Effect Scale, Proportion, & Quantity Systems & System Models Energy & Matter Structures & Functions Stability & Change
Life Science	30-35	MS-LS1-1, MS-LS1-2, MS-LS1-3, MS-LS1-4, MS-LS1-5, MS-LS1-6, MS-LS1-7, MS-LS1-8, MS-LS2-1, MS-LS2-2, MS-LS2-3, MS-LS2-4, MS-LS2-5, MS-LS3-1, MS-LS3-2, MS-LS4-1, MS-LS4-2, MS-LS4-3, MS-LS4-4, MS-LS4-5, MS-LS4-6	4	Analyzing & Investigating Data Using Mathematical & Computational Thinking Constructing Explanations & Designing Solutions	
Physical Science	30-35	MS-PS1-1, MS-PS1-2, MS-PS1-3, MS-PS1-4, MS-PS1-5, MS-PS1-6, MS-PS2-1, MS-PS2-2, MS-PS2-3, MS-PS2-4, MS-PS2-5, MS-PS3-1, MS-PS3-2, MS-PS3-3, MS-PS3-4, MS-PS3-5, MS-PS4-1, MS-PS4-2, MS-PS4-3	4	Engaging in Argument from Evidence Obtaining, Evaluating, & Communicating Information	

- The Illinois Science Assessment (ISA) contains three test sections with 32 items each, 30 multiple choice and 2 constructed response.
  - Each section is designed to be completed in 40 minutes, allowing testing to take place within a normal class period.
- Each section contains four operational and one field-test clusters.
  - Each cluster is made up of 6 to 7 items / all items in a cluster are aligned to the same domain / each test section includes clusters from all three domains / clusters are based on a common phenomenon or Performance Expectations within a domain.
- Science & Engineering Practices (SEPs) and/or Crosscutting Concepts (CCCs) are embedded within each item / Engineering, Technology, & Applications of Science are also embedded where possible.