

Science Topics Intended at Each Grade by a Majority of A+ Countries.

Topic	Grade 1 ⁴	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8 ¹
Organs, tissues			●	●	●	●	●	●
Physical properties of matter			●	●	●	●	●	●
Plants, fungi			●	●	●	●	●	⊕
Animal types			●	●	●	●	⊕	●
Classification of matter			⊕	⊕	⊕	⊕	●	●
Rocks, soil			⊕	⊕	⊕	⊕	●	●
Light			⊕				●	●
Electricity				⊕		⊕	●	●
Life cycles				●	●	●	●	●
Physical changes of matter				●	●	●	●	●
Heat & temperature				●	●	●	●	●
Bodies of water				⊕	⊕	⊕	●	●
Interdependence of life					⊕	●	⊕	⊕
Habitats & niches					⊕	⊕	⊕	⊕
Biomes & ecosystems					⊕	●	⊕	⊕
Reproduction					⊕			⊕
Time, space, motion					●	●	●	●
Types of forces					⊕	⊕	●	●
Weather & climate					⊕	⊕	●	●
Planets in the solar system					⊕	⊕	⊕	⊕
Magnetism						●	●	●
Earth's Composition						⊕	●	●
Organism energy handling						⊕	⊕	●
Land, water, sea resource conservation						⊕	⊕	●
Earth in the solar system						⊕	⊕	⊕
Atoms, ions, molecules							●	●
Chemical properties of matter							●	●
Chemical changes of matter							●	●
Physical cycles							⊕	●
Land forms							⊕	●
Material & energy resource conservation							⊕	●
Explanations of physical changes							⊕	⊕
Pollution							⊕	●
Atmosphere							⊕	⊕
Sound & vibration							⊕	⊕
Cells							⊕	⊕
Human nutrition							⊕	⊕
Building & breaking								●
Energy types, sources, conversions								●
Dynamics of motion								⊕
Organism sensing & responding								⊕
Evolution, speciation, diversity								○
Number of additional topics intended, on average, by A+ countries to complete their curriculum at each grade level. ²			5 / 11	5 / 13	3 / 15	2 / 19	4 ³	4

Intended by half of the A+ Countries ○

Intended by *all but one* of the A+ countries (3 out of 4). ⊕

Intended by *all* of the A+ countries. ●