

# National Science Education Content Standards

The BJU Press science materials are developed after reviewing many standards, including the National Science Education Standards (NSES). The Science Content Standards section of the NSES groups the criteria based on grade levels K–4, 5–8, and 9–12.

The table provides an overview of the areas in which *SCIENCE 6* aligns with the NSES Science Content Standards for grades 5–8. An X indicates that at least one component of the standard is addressed in the chapter.

The topics listed in the table are interpreted and discussed in *SCIENCE 6* text according to a Christian worldview.



# National Science Education Content Standards

BJU Press *SCIENCE 6* alignment with NSES Science Content Standards for grades 5–8

Chapter	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
<b>Science as Inquiry</b>															
Abilities necessary to do scientific inquiry	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Understandings about scientific inquiry	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
<b>Physical Science</b>															
Properties and changes of properties in matter							X								
Motions and forces									X						
Transfer of energy			X					X	X						
<b>Life Science</b>															
Structure and function in living things				X	X	X						X	X	X	X
Reproduction and heredity				X								X	X		
Regulation and behavior				X											
Populations and ecosystems					X	X									
Diversity and adaptations of organisms				X	X	X									
<b>Earth and Space Science</b>															
Structure of the earth system	X	X	X												
Earth's history	X		X												
Earth in the solar system											X				
<b>Science and Technology</b>															
Abilities of technological design	X	X	X				X	X	X		X		X		X
Understandings about science and technology	X	X	X	X			X	X	X		X		X		X
<b>Science in Personal and Social Perspectives</b>															
Personal health			X											X	X
Populations, resources, and environments			X												
Natural hazards	X	X	X												
Risks and benefits	X	X													
Science and technology in society	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
<b>History and Nature of Science</b>															
Science as a human endeavor	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Nature of science	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
History of science	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
<b>Unifying Concepts and Processes</b>															
Systems, order, and organization	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Evidence, models, and explanation	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Change, constancy, and measurement	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Evolution* and equilibrium	X		X	X	X	X	X			X	X	X			
Form and function	X			X	X	X	X	X	X	X	X	X	X	X	X

\* Evolution is presented as a theory to be critically examined from a Christian worldview.