

Content Standards: 5-8

5 = 5th Grade Science

6 = 6th Grade Science

LS = Life Science

ES = Earth Science

As a result of activities in grades 5-8, all students should develop an understanding of:	*Numbers in grid represent units*				State Standards
	5	6	7	8	
Abilities necessary to do scientific inquiry	1-7	1-7	LS 1-27	ES 1-24	C.8 (1-12)
Understanding about scientific inquiry	1-7	1-7	LS 1-27	ES 1-4,9, 11-13,15, 16,21-24	C.8 (1-12)
Properties and changes of properties in matter	1, 2, 4, 5, 6	1, 2, 5, 6	LS 2-13, 16-27	ES 1-4,6,8,10, 12-21,23,24	D.8 (1-6)
Motion and forces	2, 5	3, 4, 5	LS 13,14,16 21,23,24	ES 1,7-13,15, 17,21-24	D.8 (1-6)
Transfer of energy	1, 2, 3, 5, 6	1, 3, 4, 5	LS 2-4,6,12 18-20,22	ES 2-4,9,10, 14-19,21,23,24	D.8 (1-6)
Structure and function in living systems	1, 4, 7	2, 6, 7	LS 2-26	ES 13,18	F.8 (1-8)
Reproduction and heredity	1	2, 6, 7	LS 1,2,4-11 17-26	ES 13	F.8 (1-8)
Regulation and behavior	1, 6, 7	2, 7	LS1-4,8,9, 12-17,22-27	ES 13,16,18	F.8 (1-8)
Populations and ecosystems	1, 6	2, 4, 5, 6	LS 5, 7-10 13, 15-20	ES 12, 13, 16, 17, 18	F.8 (1-8)
Diversity and adaptations of organisms	1, 4, 6	2, 6, 7	LS 2,4-19	ES 12, 13, 16, 18	F.8 (1-8)
Structure of the earth system	1, 2, 5, 6	1-5	LS1,3,6-10 13,18-20	ES1,3-5,8-10, 12-14,16-18,22	E.8 (1-8)
Earth's history	1, 2, 5, 6	5, 6	LS 1,6,10, 15	ES 6,7,11-13 16, 17, 24	E.8 (1-8)
Earth in the solar system	2, 5	3, 4	LS 19	ES 14,17, 21-24	E.8 (1-8)
Abilities of technological design	1-7	1-7	LS 7,10,12, 15	ES 2,5,7,9,10, 14,15,19-21,23	G.8 (1-7)
Understandings about science and technology	1-7	1-7	LS 1-26	ES 1-4, 9, 10, 14-23	G.8 (1-7)
Personal health	5, 7	2, 3, 6, 7	LS1-4,8-11 14,20-27	ES 1,9,15, 19	H.8 (1-2)
Population, resources, and environments	5, 6	1, 2	LS 6,7,13, 16-20	ES 6-8, 10,13, 17-20	H.8 (1-2)
Natural Hazards	2, 5	5	LS 2,4,6,8, 9, 14	ES 2, 7,-12, 15, 16	H.8 (1-2)

Risks and benefits	1, 2, 5, 6, 7	4, 5, 6	LS1,2,8,11 4,23,24,29	ES 1-6, 8,10, 14-21, 23, 24	H.8 (1-2)
Science and technology in society	1-7	1-7	LS 1-5 8-26	ES 1-6, 9, 10, 14-24	H.8 (1-2)
Science as a human endeavor	1, 2, 3	1, 2, 4 5, 6	LS1,2,4-9, 11-16,22-27	ES1, 21, 23	B.8 (1-8)
Nature of science	2-7	1, 2, 4-6	LS 1,2,4-7	ES 1	B.8 (1-8)
History of science	1, 3, 4	1-6	LS 1,2,4-8, 15, 24, 27	ES 1, 21-24	B.8 (1-8)

Unifying Concepts and Processes

1) System, order, and organization	1, 2, 4-7	1-7	LS 1-27	ES 1-24	A.8 (1-8)
2) Evidence, models, and explanation	2, 3, 4, 5, 6	1-6	LS 1,2,4-7 15, 18	ES 1-24	A.8 (1-8)
3) Change, constancy, measurement	1-6	2-6	LS 1,3-10, 13,17-24,26	ES 1-9, 11-13, 15-20, 22-24	A.8 (1-8)
4) Evolution and equilibrium	5-6	4, 5, 6	LS 1-3,6-17 19	ES 6-9, 12, 13, 18, 19, 24	A.8 (1-8)
5) Form and function	1, 6, 7	2, 3, 6, 7	LS 2-4,8 11-16,23-25	ES 3, 5, 9, 10, 13	A.8 (1-8)