

Daily Science Scope and Sequence - Grades 5,6,7,8

The scope and sequence of the Daily Science Reinforcers follows the National Science Education Content Standards.

SCIENCE AS INQUIRY	ACTIVITIES			
	Grade 5	Grade 6	Grade 7	Grade 8
Abilities And Understandings For Inquiry				
Design an investigation	2, 15, 30, 38, 55, 68, 86, 89, 104, 109	11, 31, 47, 66, 116	2, 61, 81, 92, 113	38, 85, 96, 104, 117
Use science tools	4, 12, 43, 49, 50, 71	2, 36, 70, 89, 113	18, 28, 46, 76, 91, 115	2, 13, 34, 52, 86
Use mathematics, measurement	4, 9, 22, 31, 43, 47, 50, 69, 74, 78, 107	10, 35, 61, 71, 103, 112	7, 26, 31, 42, 50, 76, 105, 116	2, 4, 28, 29, 68, 89
Draw conclusions	7, 8, 21, 30, 45, 59, 75, 78, 82, 101, 102, 106, 108, 111	1, 4, 20, 27, 28, 29, 35, 39, 40, 44, 45, 47, 58, 70, 82, 84, 95, 109, 112, 114, 118	5, 10, 24, 29, 38, 55, 78, 91, 110, 120	6, 16, 40, 51, 53, 82, 87, 91, 92, 100, 114
Relationships (predict, compare and contrast, classify)	9, 10, 12, 15, 18, 22, 30, 49, 60, 61, 68, 70, 71, 85, 87, 88, 106, 111	10, 24, 25, 26, 39, 50, 75, 84, 96, 101	11, 77, 78, 83, 105, 119	20, 30, 32, 39, 58, 60, 75, 79, 88
Display information	21, 47, 74, 80, 83, 107, 110, 113	1, 19, 21, 35, 55, 61, 71, 89, 103, 112	8, 26, 50, 74, 110, 119	6, 29, 42, 51, 78, 87

PHYSICAL SCIENCE	ACTIVITIES			
	Grade 5	Grade 6	Grade 7	Grade 8
Properties Of Matter				
Properties	10, 12, 35, 38, 42	12, 63, 82	15, 67, 69, 92, 105	4, 17, 51, 101, 104
States and changes of state	5, 24, 42, 95	12, 41, 69, 117	5, 29, 79, 86	15, 38, 40, 67, 98, 102, 103
Physical/chemical changes	60, 64, 95	1, 42, 45, 83, 88, 112	8, 10, 23, 79, 87	3, 18, 58, 98
Mixtures, solutions, compounds	84, 101	30, 33, 83, 88, 91, 100, 107, 119	44, 65, 107	8, 30, 58, 110
Basic Units Of Matter				
Atoms, molecules, elements	27, 39, 81, 90	1, 33, 41, 58, 65, 79, 93, 104, 107, 111	14, 36, 44, 69, 87, 107	8, 18, 27, 42, 58, 65, 95, 102, 110, 119
Motions And Forces				
Kinds	33, 75	1, 14, 34, 66	58, 70, 79	10, 15, 71, 74, 112
Machines	61, 98	17, 87	84, 114	93, 105
Position and motion of objects	33, 91	10, 14, 36, 66	7, 31, 58, 70, 113	68, 71, 102, 112, 117
Transfer Of Energy				
Sound	26, 28, 44, 56, 93	5, 20, 26, 55, 60, 74, 106, 115	41, 60, 74	53, 57, 101
Heat	24, 38, 40, 47, 58, 79, 92, 113	4, 5, 7, 26, 42, 74, 92	4, 16, 29, 55, 98, 108	31, 38, 40, 64, 67, 74, 118

Light	56, 70, 88	5, 26, 64, 67, 72, 102, 113, 115	27, 38, 41, 48, 62, 94	31, 55, 57, 80, 111
Magnetism	17, 35, 116	2, 34, 116	88, 94, 96, 102	10, 82
Electricity	9, 17, 29, 32, 57, 76, 112	5, 26, 43, 54, 57, 77	77, 88, 100, 102	10, 22, 44, 82, 88
Nuclear	17, 91	1, 5, 105, 114	94, 116	10, 27, 84

ACTIVITIES

LIFE SCIENCE

Grade 5

Grade 6

Grade 7

Grade 8

Structure And Function

Organization levels (cell, tissue, organ, system, organism)	11, 13, 59, 62, 97, 117	4, 6, 14, 18, 23, 37, 49, 60, 69, 81, 101	59, 95, 106	11, 41, 76, 115
Living systems (digestion, respiration, etc.)	1, 8, 11, 14, 20, 41, 53, 59, 66, 77, 87, 89, 94, 98, 100, 117	6, 16, 32, 57, 30, 65, 69, 76, 87, 108, 116	24, 45, 66, 80, 82, 89	41, 43, 79, 83, 97, 100, 106
Characteristics of organisms (basic needs, structures)	6, 7, 16, 21, 45, 48, 53, 74, 86, 87, 99, 111, 117	44, 71, 76, 108, 110, 111, 115	21, 57, 59, 63, 82, 95, 103	5, 11, 14, 24, 65, 90, 97, 115

Reproduction And Heredity

Sexual and asexual reproduction	1, 51, 72, 112, 114	72, 87, 93, 108	54, 63, 80, 117	21, 35, 94, 106
Heredity	78, 110	59, 72, 90	63, 75, 101	46, 94, 114
Genes and chromosomes	102, 110	90, 107	63, 75	46, 94
Life cycles	80, 112	19, 80	49, 117	63

Organisms And Environments

Plant and animal needs	16, 21, 39, 48, 55, 74, 99, 114, 115	6, 30, 34, 42, 44, 47, 67, 76, 95, 101, 102, 115	39, 57, 93	1, 85, 90
Human needs and impacts	37, 54, 67, 96, 101, 119	15, 23, 47, 77	6, 33	59, 62, 69, 100, 119

Populations And Ecosystems

Populations and ecosystems	19, 23, 28, 33, 40, 44, 45, 50, 72, 94, 97, 100, 108, 110	9, 29, 44, 48, 63, 64, 80, 85, 90, 96, 99, 101, 109, 113, 120	34, 47, 93	1, 19, 92
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Diversity And Adaptation

Diversity	20, 28, 30, 37, 46, 51, 56, 63, 81, 87, 88, 104, 105	9, 10, 44, 51, 63, 67, 97, 117, 120	3, 11, 21, 71	5, 24, 32, 39
Adaptations	23, 33, 40, 41, 46, 87, 108	7, 9, 24, 34, 44, 51, 74, 90, 95, 110, 118	39, 71	5, 24, 35, 43
Classification	3, 6, 10, 51, 52, 56, 63, 65, 76, 81, 88, 90, 93, 100, 104, 105	8, 35, 43, 50, 54, 69, 83, 91, 97, 118	40, 78, 103	9, 14

Regulation And Behavior

Regulation and behavior	14, 89	23, 24	20, 25, 66, 109	41, 54, 83
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ACTIVITIES

EARTH SCIENCE

Grade 5

Grade 6

Grade 7

Grade 8

Structure And Composition Of Earth

Materials	23, 38, 48, 82, 103, 106, 119	13, 21, 22, 37, 55, 78, 81, 86, 92, 110	118	25, 77, 85, 109, 113
Layers	19	11, 29	12, 17, 96	20, 116
Atmosphere	27, 47, 52, 96, 118	25, 49, 52	4	73, 119
Water and the water cycle	2, 48, 118, 119	8, 36, 52, 58, 77, 94	19, 35, 73, 86, 104, 108	75, 77, 103, 118
Land forms	29, 71	20, 28, 79	4, 35, 91, 96, 97	60, 91
Plates	69, 116	11, 88	96, 99, 112	12, 49
Oceans	2, 7, 29, 46, 48, 67, 71, 91, 113	20, 52, 79	64, 83	32, 77, 78
Resources	7, 14, 17, 36, 38, 96, 105, 109, 120	15, 21, 22, 37, 50, 81, 86, 99	19, 53, 104	25, 48, 81

Earth's History And Changes

Earthquakes	69, 86	48, 105, 109	72, 99, 112	37, 45
Volcanoes	69, 82, 86	38, 92, 109	17, 72, 112	12, 20, 37
Erosion	82, 86, 120	96	35, 72, 104	37, 75
Weathering	120	75, 96	22	66, 72
Glaciers	86, 103	75, 82	22, 97	37, 72
Plate movement	69, 116	5, 11, 88	99, 112	12, 49
Evidence for change	86	82	72, 97	37

Space Science

Earth and the solar system	1, 5, 25, 31, 34, 36, 49, 53, 67, 75, 84, 91, 111, 113, 118	9, 15, 16, 40, 46, 78, 85	13, 111	16, 61, 108
Motion in space	5, 11, 31, 34, 51, 53, 57, 75, 84, 91, 111, 113, 118	15, 19, 28, 32, 53, 68, 78, 85, 103	32, 111	16, 61, 108
Gravity	36, 113, 115	34, 36, 106	41, 92	17, 28
Distances in space	66, 67, 69	78	32, 42	28, 89
Objects in space	24, 58, 67, 78, 83, 99, 107	40, 94	13, 37, 42	89, 105, 108

Weather

Temperature	11, 27, 83, 85	8, 18, 61, 84	56, 108	7, 98, 118
Wind	85, 119	8, 61	56	7, 98
Clouds	3, 13, 79	75	90	80
Precipitation	16, 32	27, 39	43, 90	98
Instruments	16, 62	8, 73	28, 37, 56	52
Air pressure	16, 85	3, 8, 84, 86	56	7, 34
Air masses and fronts	54, 95	3, 27, 46, 104	37, 73, 115	33, 34, 73

SCIENCE AND TECHNOLOGY

ACTIVITIES

Grade 5

Grade 6

Grade 7

Grade 8

Natural Vs. Human-made Objects

Natural vs. human-made	64, 73	73	9	26
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Abilities Of Technical Design

Problem, approach, solution, evaluate, communicate	22, 38, 86, 89, 102, 104, 109, 111	11, 26	36, 81	22, 25, 120
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Understanding Science And Technology

Inventions	77, 88	33, 39, 94	27, 45, 53, 94	56, 62, 67
Role of scientists	4, 22, 25, 37, 73, 117	2, 33, 86, 97, 98, 105	1, 52, 68	23, 36, 50
Tools of science	12, 49	2, 12, 73, 113	18, 76, 120	2, 13, 86

SCIENCE - PERSONAL AND SOCIAL

ACTIVITIES

Grade 5

Grade 6

Grade 7

Grade 8

Personal Health

Personal health	26, 43, 54, 63, 76	30, 53, 98, 100, 117	20, 43, 45	54, 71
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Resources

Resources	29, 109, 120	15, 50, 93	3, 8, 12, 19, 51, 69	48, 55, 69, 113
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Natural Hazards

Natural hazards	26, 32	38, 39, 105	12, 43	45, 99
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Risks And Benefits

Risks and benefits	23, 65, 67, 91	38, 100, 105	30, 51, 116	47, 55, 84
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Science And Technology In Society

Science and technology in society	18, 29, 32, 39, 58, 77, 88	50, 52, 77, 93, 94, 97, 114	46, 51, 53, 69, 94	22, 23, 26, 55, 62, 81, 105, 111
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Populations

Populations	34, 44, 50	22, 31, 99	25, 47	56, 87
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Environments

Environments	34, 72, 97	3, 15, 28, 41, 56, 62, 68, 101	25, 33, 34, 47	1, 19, 56, 59, 81, 84
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HISTORY AND NATURE OF SCIENCE

ACTIVITIES

Grade 5

Grade 6

Grade 7

Grade 8

Science Careers

Science careers	4, 22, 25, 37, 73, 117	17, 59, 119	1, 30, 68, 85	23, 47, 50
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Famous Scientists

Famous scientists	6	62, 98	52, 67, 101	36, 70, 107
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Science Milestones

Science milestones	18, 77	33, 98	67, 85	70, 107
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