

Simple Solutions

NextGen Science 3

Topic Guide

Lesson #	Lesson Title	DCI
1	What are nonliving things?	K-LS1-C
2	What are living things?	1-LS1-A
3	What do all organisms need?	K-LS1-C
4	What do animals need?	K-LS1-C
5	Review and ongoing practice	
6	What do plants need?	K-LS1-C, 2-LS2-A
7	What is the environment?	2-LS4-D
8	What body parts do bats have?	1-LS1-A
9	How do animals use their body parts?	1-LS1-A
10	Review and ongoing practice	
11	What body parts do plants have?	1-LS1-A
12	How do plants use their body parts for protection?	1-LS1-B
13	What signals do living things get from the environment?	1-LS1-D
14	How do animals depend on plants?	K-LS1-C
15	Review and ongoing practice	
16	How do plants depend on animals?	2-LS2-A
17	Why do animals do the things that they do?	1-LS1-B
18	Why do organisms reproduce?	1-LS1-B
19	How does the life cycle work?	3-LS1-B
20	Review and ongoing practice	
21	How do plants make more of their own kind?	3-LS1-B
22	What is an example of a bird's life cycle?	3-LS1-B
23	What is an example of a mammal's life cycle?	3-LS1-B
24	When is a frog not a frog?	3-LS1-B
25	Review and ongoing practice	

**Review standards from previous grades are in red.*

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Lesson #	Lesson Title	DCI
26	When is a butterfly not a butterfly?	3-LS1-B
27	Why do living things look like their parents?	3-LS3-B
28	Why don't offspring look exactly like their parents?	3-LS3-B
29	Why don't brothers and sisters look exactly alike?	3-LS3-B
30	<i>Review and ongoing practice</i>	
31	How does the environment affect the traits of living things?	3-LS3-B
32	How does learning affect the traits of living things?	3-LS3-A
33	What are variations and how do they help animals survive?	3-LS4-B
34	How does the environment help organisms to survive? Part 1	3-LS4-C
35	<i>Review and ongoing practice</i>	
36	How does the environment help organisms to survive? Part 2	3-LS4-C
37	How does a plant use its environment? Part 1	3-LS4-C
38	How does a plant use its environment? Part 2	3-LS4-C
39	Why do some animals live in groups? Part 1	3-LS2-D
40	<i>Review and ongoing practice</i>	
41	Why do some animals live in groups? Part 2	3-LS2-D
42	Why are there different sizes of animal groups?	3-LS2-D
43	Where can plants and animals live?	3-LS4-D
44	How does change affect an ecosystem?	3-LS4-D
45	<i>Review and ongoing practice</i>	
46	How does deforestation affect an animal's habitat?	3-LS4-D
47	How do dams affect an ecosystem?	3-LS4-D
48	What is Engineering?	3-5-ETS1-A
49	How do engineers solve problems? Part 1	3-5-ETS1-A
50	<i>Review and ongoing practice</i>	
51	How do engineers solve problems? Part 2	3-5-ETS1-B
52	What problem have engineers solved? Part 1	3-5-ETS1-C
53	What problem have engineers solved? Part 2	3-5-ETS1-C

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Lesson #	Lesson Title	DCI
54	What do scientists learn by studying fossils? Part 1	3-LS4-A
55	<i>Review and ongoing practice</i>	
56	What do scientists learn by studying fossils? Part 2	3-LS4-A
57	What can I see in the sky?	1-ESS1-A
58	What patterns in nature can humans observe?	1-ESS1-A
59	What patterns does sunlight have?	1-ESS1-B
60	<i>Review and ongoing practice</i>	
61	Is Earth still changing?	2-ESS1-C
62	What can change the shape of the land on Earth?	2-ESS1-C
63	Can people stop weathering and erosion?	2-ESS1-C
64	What do maps show?	2-ESS2-B
65	<i>Review and ongoing practice</i>	
66	Maps practice	2-ESS2-B
67	Where is all the water on Earth?	2-ESS2-C
68	How do living things impact their environment? Part 1	K-ESS3-C
69	How do living things impact their environment? Part 2	K-ESS3-C
70	<i>Review and ongoing practice</i>	
71	How do beavers impact their environment?	K-ESS2-E
72	What do humans do with natural resources?	K-ESS3-A
73	How do humans impact their environment?	K-ESS3-C
74	What can humans do to take care of land, water, air, and living things?	K-ESS3-C
75	<i>Review and ongoing practice</i>	
76	Why is recycling important?	K-ESS3-C
77	What Is Weather? Part 1	3-ESS2-D
78	What Is Weather? Part 2	3-ESS2-D
79	How do scientists predict the weather?	3-ESS2-D
80	<i>Review and ongoing practice</i>	
81	What are weather patterns?	3-ESS2-D

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Lesson #	Lesson Title	DCI
82	What are seasonal weather patterns?	3-ESS2-D
83	What is climate?	3-ESS2-D
84	What is severe weather and where does it occur?	3-ESS3-B
85	<i>Review and ongoing practice</i>	
86	What is a natural hazard?	3-ESS3-B
87	What can humans do about natural hazards?	3-ESS3-B
88	What does the sun's energy do?	K-PS3-B
89	What is sound?	1-PS4-A
90	<i>Review and ongoing practice</i>	
91	What is light?	1-PS4-B
92	What blocks light? What lets light pass through?	1-PS4-B
93	What is matter?	2-PS1-A
94	How do we describe matter?	2-PS1-A
95	<i>Review and ongoing practice</i>	
96	What is matter made of?	2-PS1-A
97	What happens when heat is added to matter?	2-PS1-B
98	What is a force?	K-PS2-A
99	What force pulls objects toward Earth?	3-PS2-A
100	<i>Review and ongoing practice</i>	
101	How do forces affect motion? Part 1	3-PS2-B
102	How do forces affect motion? Part 2	3-PS2-A
103	How do forces affect motion? Part 3	3-PS2-A
104	Does motion have patterns?	3-PS2-A
105	<i>Review and ongoing practice</i>	
106	What happens when things collide?	K-PS2-B
107	Can forces work even if the objects are not touching?	3-PS2-B
108	What other force works without touching?	3-PS2-B

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