EARTH SCIENCE

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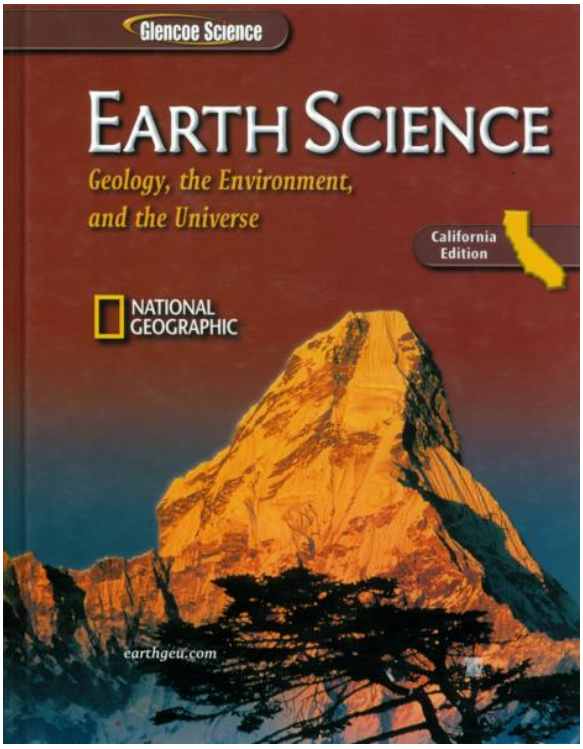
CBL Science Text Books



Earth Science: Geology, the Environment, and the Universe
Teacher Wraparound Edition
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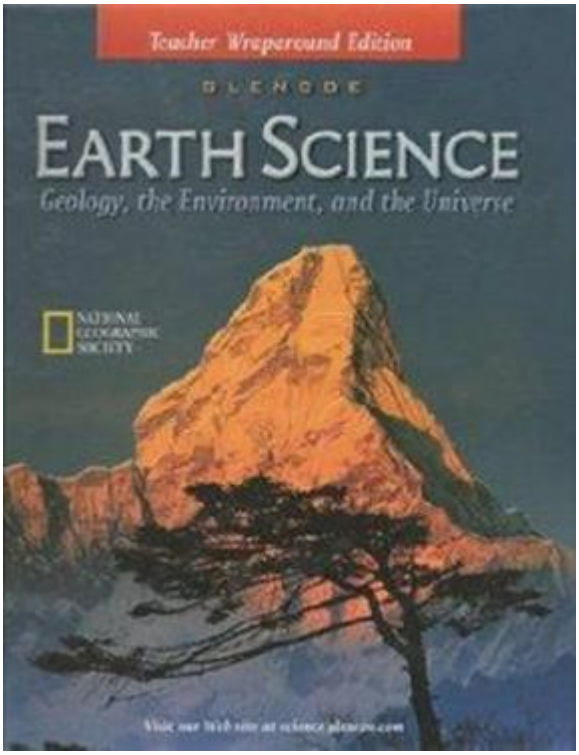

Earth Science: Geology, the Environment, and the Universe
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CBL EARTH SCIENCE

California Content Standards

Chapter. Section Title	Earth Sciences	Investigation and Experimentation
Q1 - ON THE SURFACE		
Quarter 1 – Weeks 1-2		
7.1 Weathering	7.c	
7.2 Erosions and Deposition	9.b	
7.3 Formation of soil		1.c, 1.d,1.m
Quarter 1 – Week 3		
8.1 Mass Movement at Earth's Surface	9.b	
8.2 Wind		
8.3 Glaciers		9.d
Quarter 1 – Week 4		
9.1 Surface Water Movement	9.b	
9.2 Stream Development		
9.3 Lakes and Freshwater wetlands	9.c	1.a,1.e,1.g,1.j, 1.m
Quarter 1 – Weeks 5-6		
10.1 Movement and Storage of Groundwater	9.c	
10.2 Groundwater Erosion and Deposition		
10.3 Groundwater Systems	9.c	1.h,1.m
Quarter 1 – Week 6 GeoDigest for Unit 1		
1.1 Earth Science		
1.2		1.f, 1.j, 1.n
1.3 Communication in Science		1.a, 1.e, 1.g, 1.k
2.1 Latitude and longitude		
2.2 Types of Maps	9.d	1.h
2.3 Remote Sensing		1.h, 1.l

Quarter 1 – Weeks 7-8 GeoDigest for Unit 2		
3.1 What are elements?		
3.2 How atoms combine		1.d
3.3 States of Matter		1.a
4.1 What is a mineral?	3.c	
4.2 Identifying Minerals	9.a	1.a
5.1 What are igneous rocks?	3.c	
5.2 Classifying igneous rocks	3.c,9.a	1.a,1.b
6.1 Formation of sedimentary rocks	3.c	1.d,1.g
6.2 Types of Sedimentary rocks	3.c	
6.3 Metamorphic rocks	3.c	1.c,1.d,1.m
Quarter 1 – Week 9 GeoDigest for Unit 6		
21.1 The Geologic Time Scale	1.c	1.i
21.2 Relative-Age Dating of Rocks		1.i
21.3 Absolute-Age Dating of Rocks	1.c	1.i,1.k,1.l
21.4 Remains of organisms in the rock record		
22.1 The early earth	1.c,4.a	
22.2 Formation of the Crust and Continents	1.c	
22.3 Formation of the Atmosphere and Oceans	1.c,8.b	1.m
22.4 early life on earth	1.c	
23.1 the early Paleozoic	3.c	
23.2 the middle Paleozoic	3.c	
23.3 the late Paleozoic	3.c	1.d,1.l
24.1 Mesozoic paleogeography	3.c	
24.2 Mesozoic life	1.f	
24.3 Cenozoic paleogeorgaphy	3.f	1.a,1.e,1.l
24.4 Cenozoic Life	9.a	

Q2 – INTO THE ATMOSPHERE

Quarter 2 – Weeks 1-2		
11.1 Atmospheric Basics	4.a,4.b.4.c,5.a,6.a,7.b, 8.a,8.c	
11.2 State of the Atmosphere	5.a,5.c,8.a	
11.3 Moisture in the Atmosphere	7.c,8.a,8.c	1.d,1.g,1.m
Quarter 2 – Weeks 3-4		
12.1 The causes of weather	5.a,6.a	
12.2 Weather Systems	5.a,5.b,6.a	
12.3 Gathering Weather Data		
12.4 Weather Analysis		1.d,1.m
Quarter 2 – Week 5		
13.1 Thunderstorms		1.i
13.2 Severe Weather		1.i
13.3 Tropical Storms	5.b	1.a
13.4 Recurring Weather		
Quarter 2 – Weeks 6-7		
14.1 What is climate?		
14.2 Climate Classification	5.f, 6.a, 6.b	
14.3 Climatic Changes	5.e, 6.b	
14.4 The Human Factor	4.c,4.d,5.g, 6.c, 7.a, 7.b, 8.b	1.a,1.d,1.g,1.j,1.l
Quarter 2 – Weeks 8-9		
15.1 The Oceans	1.c	
15.2 Seawater	5.d	1.i
15.3 Oceans Movements	5.a,5.b,5.d,5.g,6.b	1.g
Quarter 2 – Week 10		
16.1 Shoreline Features		
16.2 The Seafloor		

Q3 – DYNAMIC EARTH		
Quarter 3 – Weeks 1-2		
17.1 Drifting Continents		1.k,1.n
17.2 Seafloor Spreading	3.a	1.k
17.4 Causes of Plate Motions	3.a, 3.b	
Quarter 3 – Week 3-4		
18.1 Magma	3.e	
18.2 Intrusive Activity	3.b	
18.3 Volcanoes	3.b, 3.e, 3.f	
Quarter 3 – Weeks 5-6		
19.1 Forces Within Earth	3.d, 9.b	
19.2 Seismic Waves and Earth's Interior	3.d	
19.3 Measuring and Location Earthquakes	3.d	
19.4 Earthquakes and Society	9.b	
Quarter 3 – Week 7		
20.1 Crust-Mantle Relationships		
20.2 Convergent-Boundary Mountains	3.b	
20.3 Other Types of Mountains	3.b	
Quarter 3 – Weeks 8-9		
25.1 What are resources		
25.2 Land Resources	9.a	
25.3 Air Resources	7.a	
25.4 Water resources	9.a,9.c	1.a,1.l

Q4 - SPACE		
Quarter 4 – Weeks 1-2		
26.1 Convention of Energy Resources	4.a,4.b,7.b	
26.2 Alternative Energy Resources	4.a,7.b,9.a	
26.3 Conservation of Energy Resources	4.a	1.a,1.j,1.m
Quarter 4 – Week 3		
27.1 Populations and the use of natural resources		
27.2 Human impact on land resources		1.g
27.3 human impact on air resources	4.c,4.d,8.b,8.c	
27.4 Human impact on water resources	9.c	1.m
Quarter 4 – Week 4		
28.1 Tools of Astronomy		
28.2 The moon	1.f	1.e
28.3 The sun-earth-moon system		
Quarter 4 – Weeks 5-6		
29.1 Overview of our solar system	1.d	1.e,1.k,1.n
29.2 The terrestrial planets	1.f,4.d	
29.3 The gas giant planets		
29.4 Formation of Our Solar System	1.a,1.b	1.d,1.g,1.i
Quarter 4 – Weeks 7-8		
30.1 The sun	1.e	1.e
30.2 Measuring the stars	1.d,2.d, 2.f	
30.3 Stellar evolution	1.e,2.c,2.d	1.c
Quarter 4 – Weeks 9-10		
31.1 The milky way galaxy	2.a,2.b	
31.2 Other galaxies in the Universe	2.b,2.g	1.e
31.3 Cosmology		

BIOLOGY

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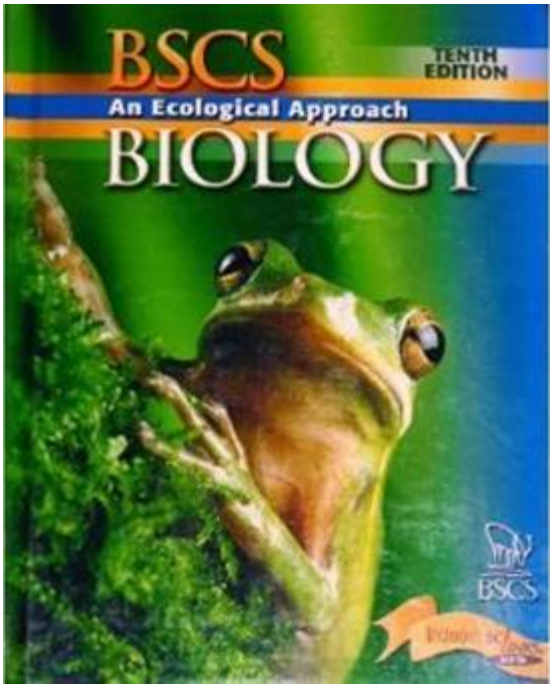

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CBL Biology/Life Science

Quarter 1
Responsible for Our Planet
The World of Life

Weeks	**1-3**	**4-5**	**6-8**	**9-10**
Days	14	10	14	12
Chapter	1	2	3	4
Standards	1fgh 6def	6bc	6abef	2f 4ae 5ab 6df
Life Science	1.1 1.2 1.3 1.4	2.2 2.3	3.1 3.2 3.3	
Biology		2.1		4.1 4.2 4.3

Simulations	Genetic Engineering 5cde Making Molecules 8g
Weeks	
Days	Each Quarter Unit will have 50 days of lesson plans; this is the number for this chapter
Chapter	Chapter in BSCS Green 10
Standards	There are the California Biology/ Life Sciences Standards [See pages 42-47] we will be teaching to.
Life Science	The Life Science version uses 40 days of lessons including those listed for Life and CBL Science; *investigations require more materials or preparation.
Biology	The Biology Lab version of the course uses 50 days of lessons including investigations listed for Biology Life Science and CBL Science. These investigations are labs.

Quarter 2
The Habits of Life
Continuity of Life

Weeks	**1-3**	**4**	**5**	**6-8**	**9-10**
Days	13	8	4	13	12
Chapter	5	6	7	8	9
Standards	1acegij 4d	2abde	2d 4d 7b	1dh 2acefg 3abc 4abcef 5abcde 7bc	4c 6g 7acd 8abcdf
Life Science	5.3 5.4	6.1	7.1	8.1 8.2	9.1 9.2
Biology	5.1 5.2			8.3	

Simulations	Genetic Counseling 3cd 4c Genetic Expression 7acef
Weeks	
Days	Each Quarter Unit will have 50 days of lesson plans; this is the number for this chapter
Chapter	Chapter in BSCS Green 10
Standards	There are the California Biology/ Life Sciences Standards [See pages 42-47] we will be teaching to.
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Quarter 3
Living in Common

Diversity and Adaptation

Weeks	**1**	**2**	**3**	**4**	**5**
Days	5	4	4	6	6
Chapter	10	11	12	13	14
Standards	7c 8f 9d 10a	1c 6de 10bde	2d	2d	2e 9abfgh
Life Science	10.1	11.1 *11.3	12.1	13.1 *13.3	14.1
Simulations	Neurochemistry and Addiction 9bcd				
Biology		11.2	12.2 12.3	13.2	

Functioning Organisms

Weeks	**6**	**7**	**8**	**9**	**10**
Days	5	5	5	5	5
Chapter	15	16	17	18	19
Standards	1ghi 9af	9acg 10abcef	1i 9bcdehi	1abfh	1fhi
Life Science	15.2	16.1 16.2 16.3 *16.4	17.1 17.2	18.2*	19.2
Biology	15.1			18.1 18.3	19.1
Simulations	HIV from Organism to Planet 10cdef				

Quarter 3
Living in Common
Diversity and Adaptation

Weeks	**1-2**	**3-4**	**5-6**	**7-8**	**9-10**
Days	5-10	4-10	4-10	6-10	6-10
Chapter	10	11	12	13	14
Standards	7c 8f 9d 10a	1c 6de 10bde	2d	2d	2e 9abfgh
Life Science	10.1	11.1 *11.3	12.1	13.1 *13.3	14.1
Biology		11.2	12.2 12.3	13.2	

Simulations	Neurochemistry and Addiction 9bcd

Weeks	
Days	Each Quarter Unit will have 50 days of lesson plans; this is the number for this chapter
Chapter	Chapter in BSCS Green 10
Standards	There are the California Biology/ Life Sciences Standards [See pages 42-47] we will be teaching to.
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Quarter 4
Courage to Conserve
Patterns in Biosphere

Weeks	**1-2**	**3-4**	**4-5**	**6-7**	**8-10**
Days	8	6	12	10	14
Chapter	20	21	22	23	24
Standards	6g 7a 8ab	8e	6b	6bde	6bc
Life Science	20.1 20.2*	21.1 21.2	22.1 22.2 22.3	23.1* 23.2* 23.3	24.1 24.2 24.3
Biology					

Simulations	California Water Use e9c, s l m Water for the World s l m, 6abcefg, 5abcd

Weeks	
Days	Each Quarter Unit will have 50 days of lesson plans; this is the number for this chapter
Chapter	Chapter in BSCS Green 10
Standards	There are the California Biology/ Life Sciences Standards [See pages 42-47] we will be teaching to.
Life Science	The Life Science version uses 40 days of lessons including those listed for Life and CBL Science; *investigations require more materials or preparation.
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Quarter 5
Living in Common
Functioning Organisms

Weeks	**1-2**	**3-4**	**5-6**	**7-8**	**9-10**
Days	5-10	5-10	5-10	5-10	5-10
Chapter	15	16	17	18	19
Standards	1ghi 9af	9acg 10abcef	1i 9bcdehi	1abfh	1 fhi
Life Science	15.2	16.1 16.2 16.3* 16.4	17.1 17.2	18.2*	19.2
Biology	15.1			18.1 18.3	19.1

Simulations	HIV from Organism to Planet 10cdef

Weeks	
Days	Each Quarter Unit will have 50 days of lesson plans; this is the number for this chapter
Chapter	Chapter in BSCS Green 10
Standards	There are the California Biology/ Life Sciences Standards [See pages 42-47] we will be teaching to.
Life Science	The Life Science version uses 40 days of lessons including those listed for Life and CBL Science; *investigations require more materials or preparation.
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	Components of CBL Biology
Plans	Daily lesson plans for teaching the BSCS Green Version as a Life Science course including additional graphic organizers and language tools.
Investigations	Simplified versions of many of the Investigations for use in secure and special settings.
Essentials	Short version of the chapter content [essentials, summary] in English and Spanish.
Vocabulary	Vocabulary lists with simplified definitions.
Simulations	Simulations dealing with science and ethics: requires computers and/or projection.

Quarter	**Biological Theme**	**Character Theme**
1	The World of Life	Responsibility
2	Continuity of Life	Change
3	Functioning Organisms	Justice
4	Patterns in the Biosphere	Courage
5 or 3	Diversity and Adaptation in the Biosphere	Integrity or Justice