



Hansen Jr/Sr High School Curriculum Map 7th Grade Life Science

Course Overview (Learning Outcomes): As a result of this course, students will be able to:

1. Understand what a system is and how it relates to science and life.
2. Understand theories of where life originated
3. Understand the cell, and its organelles
4. understand the importance of research and reporting methods of their research.
5. Understand how genetics plays a role in life.
6. Understand how photosynthesis is important to life here on earth.
7. Understand how marine life impacts human life.

Week	Unit/Chapter/Topics	Resources	Standards
1	Introduction/ what is a system	<i>Internet, textbooks, PowerPoints</i>	LS1-3,LS1 -HS1 LS1HS-2 LS1-2 MS-LS1-2, MS-LS1-3
2	Theories of where does life came from, Biogenesis, spontaneous generation,Oparin, theory.	<i>Internet, textbooks, PowerPoints</i>	LS1-3,LS1 -HS1 LS1HS-2,LS1-4 LS1-2 MS-LS1-2, MS-LS1-3
3	Theories of where does life came from, Biogenesis, spontaneous generation,Oparin, theory.	<i>Internet, textbooks, PowerPoints</i>	LS1-3,LS1 -HS1 LS1HS-2 LS1-2 MS-LS1-2, MS-LS1-3

4	Classification system. The Cell theory, Robert Hooke, Anton van Leeuwenhoek, Mathias Schleiden Theodor Schwann, Rudolf Virchow	<i>Internet, textbooks, PowerPoints</i>	LS4.A LS1-1, LS.A-1, LS1-2, LS1.B, LS2-MS-1, LS1.A, LS1.B
5	The Cell, Robert Hooke, Anton van Leeuwenhoek, Mathias Schleiden Theodor Schwann, Rudolf Virchow	<i>Internet, textbooks, PowerPoints</i>	LS1-1, LS1.A-1, LS1-2, LS2-HS-3
6	The Cell, Robert Hooke, Anton van Leeuwenhoek, Mathias Schleiden Theodor Schwann, Rudolf Virchow	<i>Internet, textbooks, PowerPoints</i>	LS1-1, LS1.A-1, LS1-2, LS1-3, LS1-4, LS1.B,
7	Cell project due and presented to peers	<i>Internet, textbooks, PowerPoints</i>	LS1-1, LS.A-1, LS1-2, LS1-4
8	Genetics, Punnett squares, Mendel's work, probability	<i>Internet, textbooks, PowerPoints</i>	LS1.B, LS3.A, LS3.B LS3-MS-1, LS3-MS-2, LS3.A, LS3.B, LLS1HS-1, LS4-HS-1, LS4-HS-3, LS4.A
9	Genetics, Punnett squares, Mendel's work, probability	<i>Internet, textbooks, PowerPoints</i>	LS1.B, LS3.A, LS3.B LS3-MS-1, LS3-MS-2, LS3.A, LS3.B, LS1-HS-1, LS4-HS-3, LS4.A
10	Genetics, Punnett squares, Mendel's work, probability	<i>Internet, textbooks, PowerPoints</i>	LS1.B, LS3.A, LS3.B LS3-MS-1, LS3-MS-2, LS3.A, LS3.B, LS3A, LSB3, LS1-HS-1, LS3-HS-3, LS4-HS-1, LS4-HS-3 LS4.A,
11	Genetic projects	<i>Internet, textbooks, PowerPoints</i>	LS1.B, LS3.A, LS3.B LS3-MS-1, LS3-MS-2, LS3.A, LS3.B, LSB3, LS4-HS-3, MS-LS1-3, LS1-HS-1, LS3-HS2, LS4-HS-1, LS4.A

12	Genetic projects Due and presented to peers	<i>Internet, textbooks, PowerPoints</i>	LS1.B,LS3.ALS3.BLS3-MS-1,LS3-MS-2,LS3.A,LS3.B,LSB3,LS4-HS-3,MS-LS1-3LS1-HS-1,LS3-HS2,LS4-HS-1,LS4.A
13	Bones of the body	<i>Internet, textbooks, PowerPoints</i>	LS1-1, LS1-2L,S1-3
14	Bones of the body	<i>Internet, textbooks, PowerPoints</i>	LS1-1, LS1-2L,S1-3,LS1-HS-2,
15	Muscles of the body and how they work	<i>Internet, textbooks, PowerPoints</i>	LS1-1, LS1-2L,S1-3LS1-HS-2,LS1-HS-3
16	Muscles of the body and how they work	<i>Internet, textbooks, PowerPoints</i>	LS1-1, LS1-2L,S1-3
17	Muscles of the body and how they work	<i>Internet, textbooks, PowerPoints</i>	LS1-1, LS1-2L,S1-3
18	Review for finals	<i>Internet, textbooks, PowerPoints</i> <i>Internet, textbooks, PowerPoints</i> <i>Internet, textbooks, PowerPoints</i>	
19	Finals	<i>Internet, textbooks, PowerPoints</i>	

Week	Unit/Chapter/Topics	Resources	Standards
20	Mitosis	<i>Internet, textbooks, PowerPoints</i>	LS3-MS1,MS1LS-1,LS1-HS-4,LS1-HS-5
21	Test mitosis intro into Meiosis	<i>Internet, textbooks, PowerPoints</i>	LS3-MS1,MS1LS-1

22	Meiosis test on meiosis	<i>Internet, textbooks, PowerPoints</i>	LS3-MS1,LS1LS1
23	Unit on animal behavior, evolution.	<i>Internet, textbooks, PowerPoints</i>	LS4.BLS4CLS2-MS-2,LS2-MS-3,LS4-MS-6,LS4.BLS4.C,LS4-HS-5,LS4-HS-6,LSLS4.C,LS2-HS-8 ,
24	Animal behavior and evolution. continued	<i>Internet, textbooks, PowerPoints</i>	LS4.BLS4CLS2-MS-2,LS2-MS-3,LS4-MS-6,LS4.BLS4.CLS4-HS-5,LS4-HS-6,LS,LS4.CLS2-HS-8,LS4.C ,
25	Animal behavior/ evolution work in class on projects, presentation of projects.	<i>Internet, textbooks, PowerPoints</i>	LS4.BLS4CLS2-MS-2,LS2-MS-3,LS4-MS-6,LS4.BLS4.C,LS4-HS-5,LS4-HS-6,LS,LS4.C,LS2-HS-8
26	Plants the protista , Bacteria slime molds, fungi and protozoa	<i>Internet, textbooks, PowerPoints</i>	LS1-HS-3,LS1-HS2,LS1-HS-5,LS1-HS-7,LS1.C,LS2-HS2-5,LS1-HS-6
27	Plants osmosis, diffusion, Bryophytes, reproduction	<i>Internet, textbooks, PowerPoints</i>	LS4-HS-5,LS4-HS-6,LS,LS1.C,LS2-HS2-5,LS1-HS-6
28	non vascular Plants mosses, liverworts, seedless vascular plants, club mosses, ferns	<i>Internet, textbooks, PowerPoints</i>	LS4-HS-5,LS4-HS-6,LS1.C,LS2-HS2-5,LS1-HS-6

29	non vascular Plants mosses, liverworts, seedless vascular plants, club mosses, ferns Fern life cycle	<i>Internet, textbooks, PowerPoints</i>	LS4-HS-5,LS4-HS-6,LS1.C,LS2-HS2-5,LS1-HS-6
30	Vascular plants, angiosperms vs the gymnosperms	<i>Internet, textbooks, PowerPoints</i>	LS4-HS-5,LS4-HS-6,LS1.C,LS2-HS2-5,LS1-HS-6
31	Vascular plants, angiosperms vs the gymnosperms	<i>Internet, textbooks, PowerPoints</i>	LS1HS5,LS4-HS-5,LS4-HS-6,LS,LS2-HS2-5 LS2-HS2-5,LS1-HS-6
32	Vascular plants, angiosperms vs the gymnosperms	<i>Internet, textbooks, PowerPoints</i>	LS1HS5,LS4-HS-5,LS4-HS-6,LS,LS2-HS2-5 LS2-HS2-5,LS1-HS-6
33	Marine biology	<i>Internet, textbooks, PowerPoints</i>	LS1-HS2,LS4.D.LS4-HS-5,LS4-HS-6LS4.B,LS4.C,LS4.D
34 35	Marine Biology	<i>Internet, textbooks, PowerPoints</i>	
36	Finals	<i>Internet, textbooks, PowerPoints</i>	

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