Name: _____ Date: _____

BCI SCIENCE
SNC 2D

Unit Outline:
Tissues, Organs, and Systems of Living Things

DAY BREAKDOWN

Day	Pages	Topics	Homework/ Assignments	Evaluation	Self-Assess
1	1-15	**LG: Diagnostic of students' prior learning & review parts/functions of the cell.** Topic: Prior knowledge and Introduction • (A) Get Ready for Unit 1 p. 2-3 • (N) What is Biology • (WS) Parts & Functions of the cell	1. (A) Get Ready for Unit 1 p. 2-3		/4
2	1-15	**LG: Students will learn the main points of cell theory & review parts/functions of the cell.** Topic: Cell Theory / Microscopes • (HO) Cell Theory / Microscopes • Finish Parts & Functions of the cell • (V) Bill Nye: Cells	1. (WS) Parts & Functions of the cell		/4
3	1-15	**LG: Students will assess their knowledge of the cell and note areas for further study.** Topic: Cells Review • (WS) Cells Review • (t/u) Parts & Functions of the cell	1. 1.1 Review		/4
4	546-547	**LG: Students will learn the parts and functions of the microscope, the techniques required to properly operate it and how to prepare slides.** Topic: The Microscope • (Q) Cells Quiz • (A) Goofy Golf • (HO) The Microscope • (N) How to Prepare a Wet Mount • (L) Microscope Lab		(Q) Cells Quiz	/4
5	543	**LG: Students will learn and practice the requirements for scientific drawings.** Topic: Scientific Drawings • (N) Scientific Drawings • Finish Microscope Lab	1. Finish Microscope Lab		/4
6	544	**LG: Students will learn the formulas and their applications to microscope calculations.** Topic: Microscope Calculations • (Q) Microscope Lab Quiz • (N) Microscope Calculations • (WS) Microscope Calculations	1. (WS) Microscope Calculations	(Q) Microscope Lab Quiz	/4
7	12-14	**LG: Students will compare and contrast the similarities and differences between plant and animal cells.** Topic: Plant vs Animal Cells • (L) Plant & Animal Cells			/4
8	12-14	**LG: Students will compare and contrast the similarities and differences between plant and animal cells.** Topic: Plant vs Animal Cells • (L) Plant & Animal Cells	1. (L) Plant & Animal Cells	(L) Plant & Animal Cells	/4
9	16-23	**LG: Students will learn the structure and biological importance of DNA and how genes contribute to function.** Topic: DNA & Genes • (N) What is DNA? • (A) Build your own DNA • (V) BN: Genes			/4
10	29-39	**LG: Students will learn the steps of mitosis and meiosis and be able to identify key identifiable features of each step.** Topic: Cell Division • (N) Cell Division • (V) Cell Division	1. Section 1.3		/4

11	29-39	**LG: Students will analyze prepared slides in order to identify key identifiable features of each step of cell division.** Topic: Cell Division • (L) Cells Lab	1. (L) Cells Lab	(L) Cells Lab	/4
12	29-39	**LG: Students will review the steps of mitosis and compare similarities and differences of mitosis in plants and animal cells.** Topic: Mitosis • (HO) Review Mitosis • (L) Mitosis (Plant & Animal) Microviewers	1. (L) Mitosis (Plant & Animal) Microviewers		/4
13	40-45	**LG: Students will learn the biological causes of cancer as well as how to identify cancerous cell tissue observed by a microscope.** Topic: Cancer • (Q) Cell Division Quiz • (N) Cancer • (L) Cancer Microviewer		(Q) Cell Division Quiz	/4
14	57-58 85-86 90-91	**LG:** Topic: Cell Specialization & Stem Cells • (N) Cell Specialization & Stem Cells • (R) Stem Cells Article • Finish Cancer Microviewer	1. Finish Cancer Microviewer 2. (R) Stem Cells Article	(R) Stem Cells Article	/4
15		Topic: Levels of Organization • (Q) Cancer Quiz • (N) Levels of Organization • (R) Examining Tissue - Technology	1. (R) Examining Tissue - Technology	(Q) Cancer Quiz (R) Examining Tissue - Technology	/4
16.	97-99	Topic: Digestion • (N) Digestion • (V) BN: Digestion • (WS) Digestion	1. (WS) Digestion		/4
17.	97-99	Topic: Digestion • (N) Digestion continued … • (L) Worm Pre-Lab	1. (L) Worm Pre-Lab		/4
18.		Topic: Worm Dissection • (L) Worm Dissection	1. (L) Worm Dissection		/4
19.	103-105	Topic: Respiration • (Q) Worm Dissection Quiz • (N) Respiration • (V) BN: Respiration • (WS) Respiration	1. (WS) Respiration	(Q) Worm Dissection	/4
20.	99-102	Topic: Circulation • (N) Circulation • (V) BN: Blood & Circulation • (WS) Circulation	1. (WS) Circulation		/4
21.		Topic: Frog Dissection • (Q) Parts and Functions Quiz • (L) Frog Pre-Lab	1. (L) Frog Pre-Lab	(Q) Parts and Functions Quiz	/4
22.		Topic: Frog Dissection • (L) Frog Dissection			/4
23.	55-68	Topic: Plants • (Q) Frog Dissection Lab Quiz • (N) Plants • (WS) Plant Cells, Tissues, & Organs	1. (WS) Plant Cells, Tissues, & Organs	(Q) Frog Dissection Lab Quiz	/4
24	70-76	Topic: Plants continued … • (N) Plants • (WS) Plant Organ Systems	1. (WS) Plant Organ Systems		/4
25	24-28	Topic: Cloning/biotechnology • (Q) Plants • (N) Cloning/biotechnology • (R) Cloning/biotechnology	(R) Cloning/biotechnology	(Q) Plants (R) Cloning/biotechnology	/4
26		Topic: Unit Review • Biology Practice Test	1. Biology Practice Test		
27		Topic: Unit Review • Biology Practice Test	1. Biology Practice Test		
28		Topic: Unit Test • Biology Unit Test		Unit Test	