Biology K Lesson Plans Unit 9 19-20

UNIT OBJECTIVES: TEKS

Teachers: Amanda Jenkins, Kristi Coleman, Kim Morgan, Kristin Boggs, Mary Scorsone, DeAnna Appling and Sean Brooks

Plants are multicellular autotrophs that have specialized cells, tissues, organs, and organ systems. Plants need water, minerals, and organic compounds, like sugar, to be transported from one part of a plant to another in order to perform the functions of reproduction and response. The two major plant systems, the root and shoot systems, have specialized parts that work together to perform these functions.

Plants can be classified as vascular or nonvascular. Vascular plants have evolved specialized structures such as seeds, cones, flowers, and fruit in order to reproduce as they adapted to life on land. Most plants today use cones or flowers to reproduce sexually.

Like other living organisms, plants must be able to respond to their environment to maintain homeostasis. The production and transport of signal molecules, such as hormones, allow plants to respond to environmental changes in order to perform essential life functions.

TEKS
(4) The student knows that cells are the basic structures of all living things with specialized parts that perform specific functions ~~and that viruses are different from cells~~
4.B investigate and explain cellular processes, including homeostasis and transport of molecules
(10) The student knows that biological systems are composed of multiple levels
10.B describe the interactions that occur among systems that perform the functions of transport, reproduction, and response in plants

Unit Calendar: March/ April

Monday	Tuesday	Wednesday	Thursday	Friday
9 SPRING BREAK! NO SCHOOL!	10 SPRING BREAK! NO SCHOOL!	11 SPRING BREAK! NO SCHOOL!	12 SPRING BREAK! NO SCHOOL!	13 SPRING BREAK! NO SCHOOL!
16 Cell Respiration vs. Photosynthesis ws (DG) Discovery of Photosynthesis 9 WEEK GRADES DUE @ 8	17 Counselors visit for next year classes Finish Discovery of Photosynthesis	18 Plant Notes	19 Station Lab (Day 1 = 3 stations)	20 Station Lab (Day 2 = 3 stations)
23 Finish Station Lab and review **Set up plant blogs (AS)** Plant seeds **Students take plant pictures every day	24 **Station Lab Quiz (DG)** Finish setting up plant blogs & planting seeds	25 Photosynthesis Notes	26 Finish Notes Make dichotomous key (DG)	27 Plant Evolution Cladogram (DG) Cell Respiration & Photosynthesis Worksheet & crossword ** **Blog checkpoint**
30 Return Plants from weekend Blog catch up checkpoint Photosynthesis ws (DG)	31 review	1 **Unit 9 Test (MG)**	2 Dissect Plants **Blog Due (AS)**	3 Begin Unit 10