

Year at a Glance 2019-2020

Creation Date: May 3, 2019

7th Grade Science

Revision Date: August 5, 2019

				ac science						
Unit Name	7-1 Cells 8/21-9/2 27 Day	27	7-2 Genetics 9/30-10/11 10 Days	9/30-10/11 10/15-10/31			ion	7-4 Body Systems 11/01-12/20 31 Days		
TEKS	New: 12F, 12C, 12E, 12D	'	oiraled: 12D ew: 14A, 14B, 14C		Spiraled: New: 11E	14C 3, 11C, 12A		Spiraled 12C New 12B		
Big Ideas	Organisms are compose carry out the basic funct Eukaryotic cells have spe structures called organe basic life functions. In addition to the organe animal cells, plant cells chloroplasts for photosy central vacuole (chemic cell wall (protection and	tions of life. ecialized elles that perform elles also found in contain ynthesis, a large eal storage) and a	DNA, an organic molecule. Heredity is the passing on of characteristics from one generation to the next. Sexual reproduction results in diverse offspring and asexual reproduction results in uniform offspring. 1. There is variation among populations an species, including external and internal adaptations. 2. Adaptations occur over generations of a species.				nal	Human body systems perform specific functions to maintain life.		
Unit Name	7-5 Stimulus & Response 1/07-1/22 11 Days	7-6 Energy 1/23-2/05 10 Days	7-7 Biomes and Ecosystems 2/06-3/02 17 Days	7-8 Changes to Surfa 3/03-3 15 Da	o Earth's ace 3/31	7-9 Earth & the Solar System 4/01-4/16 10 Days	Pł	7-10 nysical Science 4/17-5/06 14 Days	7-11 Wellness & Sexual Health 5/07-5/28 13 Days	
TEKS	Spiraled 12B New 13A, 13B	New 5A, 5B, 7A	Spiraled 11B New 10A, 10B, 10C, 11A	New 8A, 8B	, 8C	New 9A, 9B	New 6	А, 7В	Spiraled 7B, 12C, 12D, 12E, 12F, 13B	
Big Ideas	Organisms respond to external stimulus to survive in their environment. Organisms respond to internal stimulus maintain homeostasis.	1. Radiant energy from the sun is transform into chemical energy through the process photosynthesis. 2. Energy is transforme within organisms. 3. Energy flows through ecosystems from producers to consumers and decomposers and cabe represented in fo chains, food webs, a energy pyramids.	ed environments support different organisms. 2. The dichotomous key allows us to compare and contrast groups of similar organisms. 3. Biodiversity contributes to the sustainability of an ecosystem. 4. The purpose of occlorical succession	1. Weather erosion, deposition change to topograp region. 2. Human activities impact grand surfawater in watershe	and on he why of a can round ace the	1. Earth is a special planet within our solar system in that it has the right conditions for life to exist. 2. Differences in pressure, temperature, atmosphere, and gravity must be accounted for in order for manned space travel to occur.	varine eith cher cher cher cher cher cher char char char char char char char cha	ter can undergo a ety of changes- er physical or mical. tes affect motion andational Skills: atom is the smallest cicle of any element exteristics of that ment. ms consist of tons, neutrons and atrons. alalanced forces elerate objects. vton's Laws can help dict the motion of ects. ographic maps vide 2-D information if and erosional enters.	Healthy habits and relationships promote avoidance of health risk behaviors.	