TFSD Curriculum Calendar 2009-2010
7th Grade Life Science

Skill or Concept	P.S. #	Topic, Task, Content	Projected Window	Interruptions
• Learn to work with others to conduct a scientific investigation. • Using the scientific method, students perform step by step investigations with appropriate tools.	1.a 1.b 1.d	• **Learning to work in a lab.** • Scientific Method • Technical Information • Measurement (Note to self: Metric Units)	Aug. 24 – Oct. 5	**Data Day – 9/4** **LABOR DAY – NO SCHOOL 9/7**
• Compare/Contrast structure and processes of plant and animal cells. • Cellular Organization • Similarity of all living things. • Compare structure and processes of different cells. • Illustrate the flow of energy through the cellular processes.	2 3 5 5 2	• **Cell Theory** (Structure and Processes) o Organelle Functions o Respiration/Photosynthesis o Osmosis/Diffusion o Active/Passive Transport • **Cellular Organization**	Oct. 5 – Nov. 20	**STATE TEACHER IN-SERVICE 10/1-2** **END OF 1ST QUARTER – TEACHER IN-SERVICE 10/30** **Parent Teacher Conferences 11/5-6**
• Compare/Contrast Processes of Asexual and Sexual Reproduction • Compare Contrast Processes of Mitosis and Meiosis	4 4	• **Reproduction** o Asexual/Sexual o Mitosis/Meiosis	Nov. 23 – Dec. 11	**THANKSGIVING BREAK – 1:15 DISMISS 11/25-27**
• Create Models of DNA • Predict Possible Genotypes of Offspring • Explore current genetic practices	4 & 1b 4	• **Genetics** o DNA Structure o Chromosome Theory o Punnett Square	Dec. 11 – Jan. 15	**Idaho Direct Writing Assessment** **CHRISTMAS VACATION 12/21-1/3**

				END OF 2ND QUARTER –1:15 DISMISS 1/15 **End of Semester Test 1/5**
• Explain how species evolve over time due to: Genetic variability, Fecundity, Finite Natural Resources and Natural Selection • Compare characteristics among the 5 kingdoms • Compare Eukaryotic and Prokaryotic cells. • Identify Properties by which an organism can be grouped. • Use dichotomous key to identify a given organism within a group • Use observable properties to place organisms into a given classification system.	2 3 3 1c & 5 1c & 5 1c & 5	• **Classification** o Change over Time o Comparison of Systems o Modern Classification System o Dichotomous Key o Basic Characteristics of Kingdoms	Jan. 18 – Feb. 5	

• Investigate compare/contrast cell structure within and among the kingdoms. • Investigate compare/contrast cellular organization within and among the kingdoms. • Investigate compare/contrast characteristics among the kingdoms. • Investigate compare/contrast characteristics within kingdoms • Energy flow through the opposite processes of photosynthesis and cellular respiration • Explain the interrelationships that exist between individual organisms (symbiotic relations such as parasitism, mutualism, commensalism; interactions among producers, consumers and decomposers; predator /prey relationships)	3 3 3 3 2	• **Diversity of Life** o Moneran/Viruses o Protista • performance assessment • lab and diagrams o Fungi o Animalia • Animal Cell Review o Plantae • Plant Cell Review	Feb. 6 – June 3 • 3 weeks • 1 week • 3 weeks • 5 weeks • 4 weeks	**TEACHER IN-SERVICE 2/12** **PRESIDENTS DAY – NO SCHOOL 2/15** **END OF 3RD QUARTER 3/12** **SPRING BREAK 3/15-19** **REGISTRATION– NO SCHOOL 4/8-9** **ISAT 4/12-5/14** **MEMORIAL DAY 5/31** **End of Semester Test 6/2** **LAST DAY OF SCHOOL 6/2**