HIGH SCHOOL BIOLOGY CURRICULUM MAP (SAMPLE)

UNIT	TIMEFRAME	STANDARDS	ESSENTIAL QUESTION	ASSESSMENTS	KEY ACTIVITIES
INTRO TO CELLS AND BIOLOGY	3 WEEKS	NGSS HS - LS1-1; TEKS BIO 4A, 4B	WHAT DOES IT MEAN TO BE ALIVE?	CELL MODEL PROJECT, MICROSCOPE LAB	ORGANELLE MODELING, MICROSCOPE PRACTICE
CELL TRANSPORT AND ENERGY	3 WEEKS	NGSS HS - LS1 - 2, 7; TEKS BIO 9A, 9B	HOW DO CELLS MAINTAIN BALANCE AND ENERGY?	OSMOSIS LAB, PHOTOSYSNTHESIS QUIZ	DIFFUSION DEMO, YEAST RESPIRATION
GENETICS AND HEREDITY	4 WEEKS	NGSS HS - LS3 - 1, 2; TEKS BIO 6A - 6F	HOW IS GENETIC INFO STORED AND PASSED?	DNA MODELING, GENETICS TESTING	DNA EXTRACTION, GENETIC DISORDER CASE
HUMAN BODY SYSTEMS	4 WEEKS	NGSS HS - LS1 - 2; TEKS BIO 10A, 10B	HOW DO SYSTEMS MAINTAIN HOMEOSTASIS?	CASE STUDY PROJECT, QUIZZES	DISSECTION MEDICAL MYSTERIES
ECOLOGY AND ENVIRONMENT	4 WEEKS	NGSS HS - LS2 - 1, 2; TEKS BIO 12A, 12B	HOW DO ORGANISMS INTERACT IN ECOSYSTEMS?	ECOLOGY PROJECT, FINAL EXAM	ECOSYSTEM JAR, POPULATION MODELING