

NEW HAVEN PUBLIC SCHOOLS SCIENCE CONTENT OUTLINE MAP www.newhavenscience.org October 2015

Taught using learning cycle: Engage, Explore, Explain, Elaborate, Evaluate.

Key inquiry skills/practices with real-world experiences the majority of time:

Questioning, Modeling, Investigating, Analyzing/Math, Constructing Explanations, Argument from Evidence, Communicating/Discourse

(Note, K-5 content changes/ dependent on 3 kit/yr supply and school specific rotation, should be at least 100/min week hands-on science!)

	~Quarter One		~QuarterTwo	~Quarter Three	~Quarter Four		
K	Weather		Object Properties		Seasons	Living Things: characteristics	
1	Measurement		Motion (nk)		Light Properties	Living Things: Structure	
2	Solids/Liquids		Soil		Nutrition (nk)	Animal Life Cycles	
3	Rocks		Material Properties *ET		Recycling/ Conservation	Plant Life Cycles	
4	Force and Motion		Ecosystems (nk)		Water	Electricity *ET	
5	Sound	Light and Color	Light and Uses (lenses)	Senses (nk) *ET	Sun, Earth, Moon (CMT TEST FOLLOWS)	Health Topics/choice	
6	Ecosystem Populations		Weather Systems		Water Resources *ET	Simple Machines	
7	Properties of Matter	Chemical Properties	Cells	Genetics/ Reproduction	Life Systems Musculo-Skeletal	Life Systems Biochemical *ET	Microbes/ Food Safety
8	Forces/Bridges	Forces/ Motion *ET	Solar System Motion	Landforms/Earth Forces	Tectonic Plates (CMT TEST FOLLOWS)	Rock Cycle	Natural Disasters
9 PhyChem	Heat/Phase Changes	Atoms/ Bonding *ET	Polymers *ET	Earth chemical cycles *ET	Earth Materials/ Environment Impact *ET	Energy/ Electricity *ET	Energy Sources/ Impacts *ET
10 Bio	BioChemistry *ET	Cells/ Bacteria/ Viruses *ET	Heredity/ Genetics *ET	Evolution	Diseases/ Populations *ET (CAPT TEST FOLLOWS)	Organism Interdependence	Organism Behavior/ Structure
11 Chem	Chemical Properties	Atomic Structure	Nuclear	Compounds/ Bonding	Reactions/ Equations	Gas Behavior	Organic Chemistry
12 Physics	Motion	ACCEL	2 D Motion	Forces/Work	Energy/Electric	Wave/Sound/Light	Mod Physics

*ET = CT Embedded Task, NHPS District Unit Tasks and Quarterly Assessments Also Required Grades 7-12,

New Haven City Wide Science Fair May 16,17,18