

NHPS SCIENCE Curriculum At-A-Glance www.newhavenscience.org UPDATED Jul 2017

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 kits order changes since they rotate among schools 3 times a year; should be at least 100 min/week hands-on science! + literacy/math)

	~Quarter One		~QuarterTwo	~Quarter	Three	~Quarter Four	
K	Weather		Object Properties		Seasons	Living Things: Characteristics	
1	Measurement		Motion (no kit)		Light Properties	Living Things: Structure	
2	Solids/Liquids		Soil		Nutrition (no kit)	Animal Life Cycles	
3	Rocks		Material Properties *ET		Weather?	Plant Life Cycles	
4	Force and Motion		Ecosystems (no kit)		Water	Electricity *ET	
5	Sound	Light and Color	Light and Uses (Lenses)	Senses (no kit) *ET	Sun, Earth, Moon (CMT TEST FOLLOWS)	Health Topics/Choice	
6	Ecosystems		Human Impacts	Heat/Energy Transformations		Weather Systems	
7	Matter/Atoms	Chemical Reactions	Cells	Genetics/Reproduction	Evolution/Natural Selection	Human Life Systems	
8	Forces	Motion	Space Systems	History of Earth/Weathering	Tectonic Plates (CMT TEST FOLLOWS)	Rocks	Waves/Energy
9 PhyChem	Earth Energy/Matter Cycles	Weather/Climate Change	Earth Materials/Environment Impact	Natural Resources	EM Waves in Technology	Energy Sources and Transformation	Electric Energy
10 Bio	BioChemistry *ET	Cells/Bacteria/Viruses *ET	Heredity/Genetics *ET	Evolution	Diseases/Populations *ET	Organism Interdependence	Ecology
11 Chem	Chemical Properties	Nuclear/Atoms in the Universe	Atomic Structure/Matter Properties	Compounds/Bonding	Reactions/Equations(NGSS TEST FOLLOWS)	Solutions/Acids/Bases	Gas Behavior/Organiz
12 Physics or other Electives	Motion	ACCEL	2 D Motion	Forces/Work	Energy/Electric	Wave/Sound/Light	Modern Physics

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

New Haven City Wide Science Fair May14, 15,16