

Scope and Sequence 16

Week	Standards	Instructional Content
1	8.1.6, 8.1.7 Lit - Observation vs. inference	observation/inference, physical and chemical properties/key evidence
2	8.1.6, 8.1.7, Math - measuring and calculating volume (multiplication/division)	measuring and calculating volume
3	nature of science skills Math - Volume/Density (mult./div)	measuring and calculating volume/ introduce density
4	skills Math - Volume/Density (mult./div)	calculating density
5	nature of science skills Math - Volume/Density (mult./div)	using density to identify a solid, testing physical and chemical properties of materials
6	design process skills Math - Rate, percentage	Engineering a device to accurately sort recycling.
7		review
8	8.1.1, 8.1.2, 8.1.3	Explain the properties of elements within families on the periodic table
9	8.1.3, 8.1.4 Math +/- integers	Explain the structure of atoms
10	8.1.3, 8.1.4, 8.1.5 Math - +/- integers	explain the structure of molecules, how they form, and how the properties change
11	8.1.8 Math - addition, multiplication	Conservation of mass and balancing equations
12	all of the above	

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Activities	Assessments
activity 6 activity 7	quiz (observation/inference, physical and chemical properties/key evidence)
Activity 8 and practice measuring volume	exit ticket (volume)
Activity 9, volume lab	quiz (Volume)
density simulation, pawn stars worksheet	Test (observation/inference, physical and chemical properties/key evidence, Volume, Density)
volume/density bell ringers, activity 10, activity 14, intro to STEM	activity 10 results
STEM activity - recycling conveyor belt	STEM activity
review	midterm(observation/inference, physical and chemical properties/key evidence, Volume, Density, Engineering Process)
Activity 15 and activity 16	quiz (Explain the properties of elements within families on the periodic table)
Activity 16 A, atomic structure worksheets,	Test (Explain the properties of elements within families on the periodic table, atomic structure)
Activity 17, modeling atoms and molecules	quiz (explain the structure of molecules, how they form, and how the properties change)
Activity 25 balancing equations worksheets	Test (properties of elements within families , atomic structure, structure of molecules, how they form, and how the properties change, balancing equations)
review for finals	Finalsproperties of elements within families , atomic structure, structure of molecules, how they form, and how the properties change, balancing equations,physical and chemical properties/key evidence, Volume, Density)

