**Unit 1 Materials List**

Investigation 1

* + Molecular modeling kit
	+ Styrofoam spheres in black (carbon), yellow (hydrogen), and red (oxygen)
		- Alternative: Gum drops
	+ Toothpicks
	+ Student journals
	+ LCD Projector
	+ Teacher computer with Internet access and speakers
	+ Computer lab or student computers for Excel exploration
	+ Graphing calculators

Investigation 2

* + Colored pencils
	+ Computer, Projector/LCD, speakers
	+ Algebra Tiles
	+ Graphing calculators
	+ Plastic/Paper Cups

Investigation 3

* + Toothpicks
	+ Student journals
	+ LCD Projector
	+ Teacher computer with Microsoft Excel (or other spreadsheet application)
	+ Teacher computer with Internet access and speakers (if videos are shown)
	+ Computer Lab or student computers for Excel exploration and activity
	+ TI-SmartView Emulator or other means to project or simulate calculator steps
	+ Graphing calculators

Mid-Unit Review and Test

* + Graphing calculators

Investigation 4

* + Graphing calculators
	+ Microsoft Excel

Investigation 5

* + Colored pencils
	+ Hand-outs

Performance Task

* + Graphing calculators

End-of-Unit Review and Test

* + Graphing calculators