**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