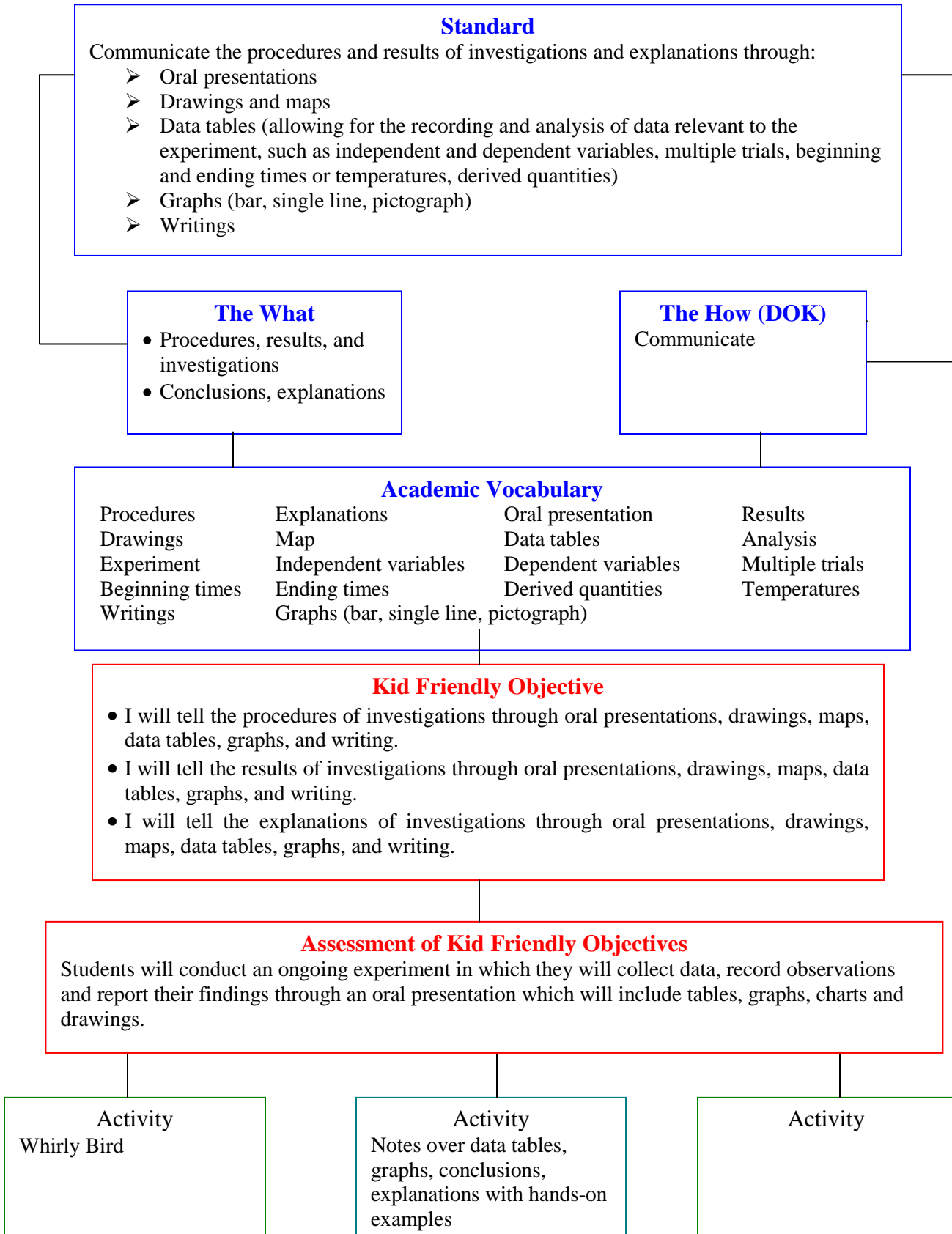


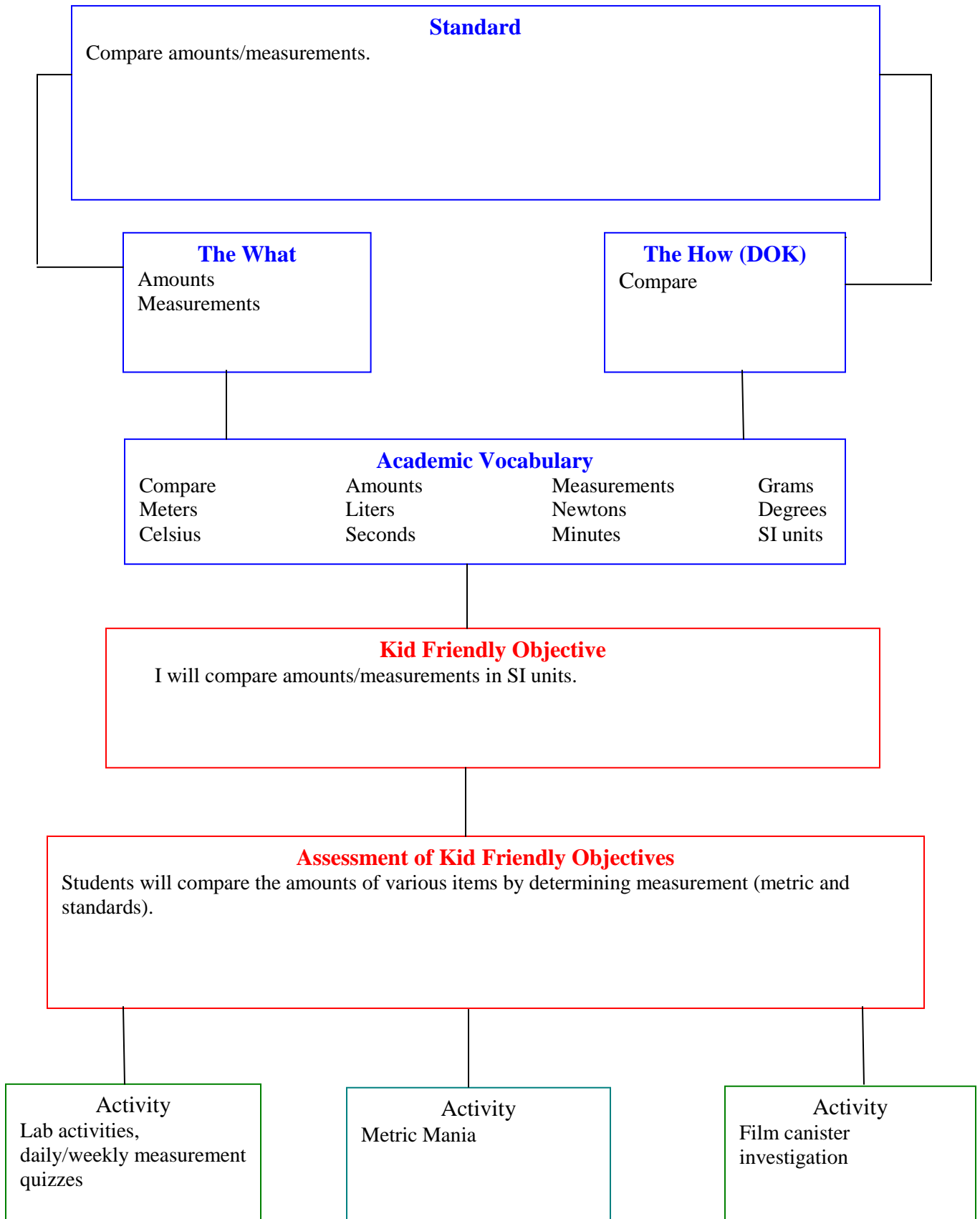
INSTRUCTIONAL DESIGN FRAMEWORK

SI1Da



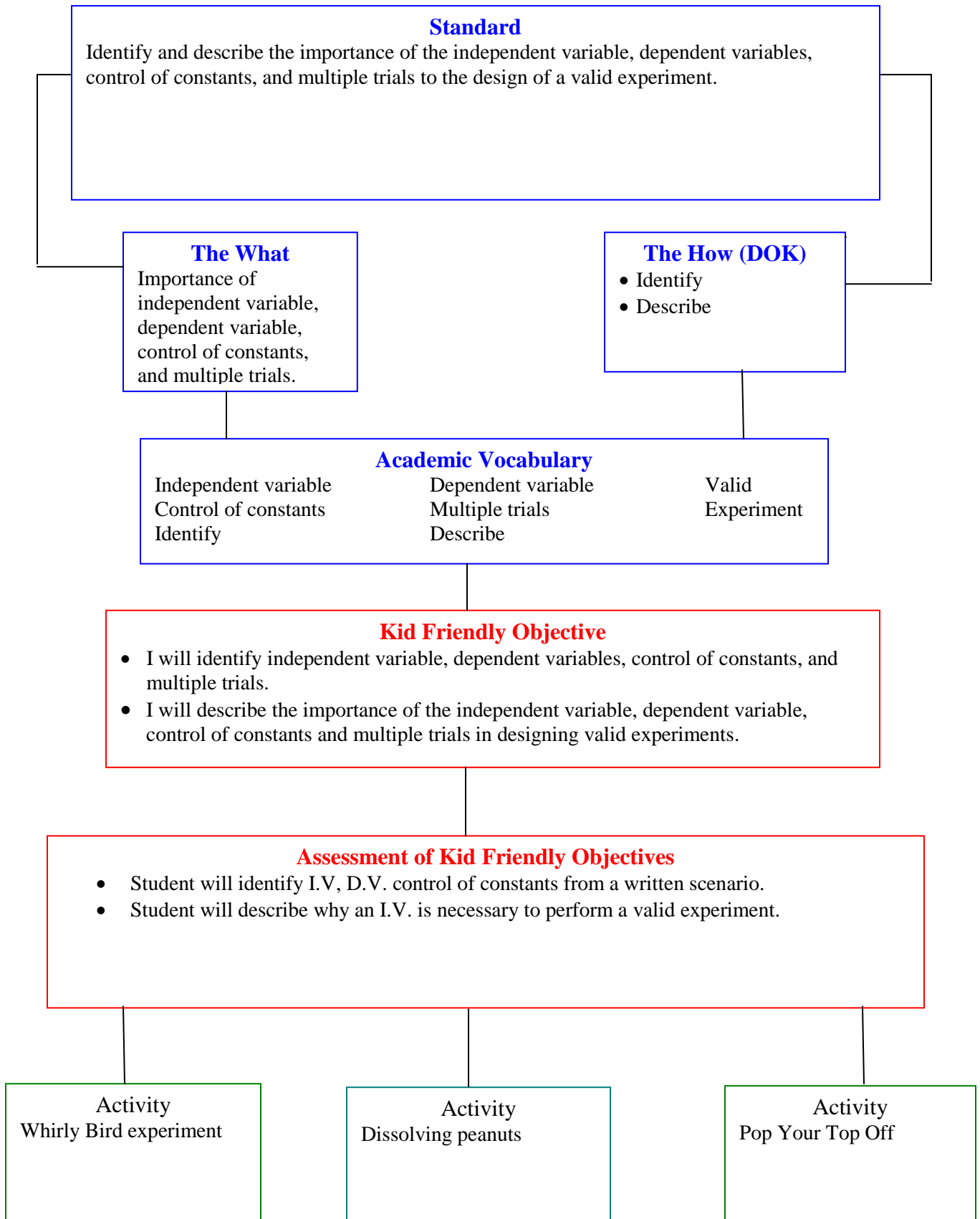
INSTRUCTIONAL DESIGN FRAMEWORK

SI1Be



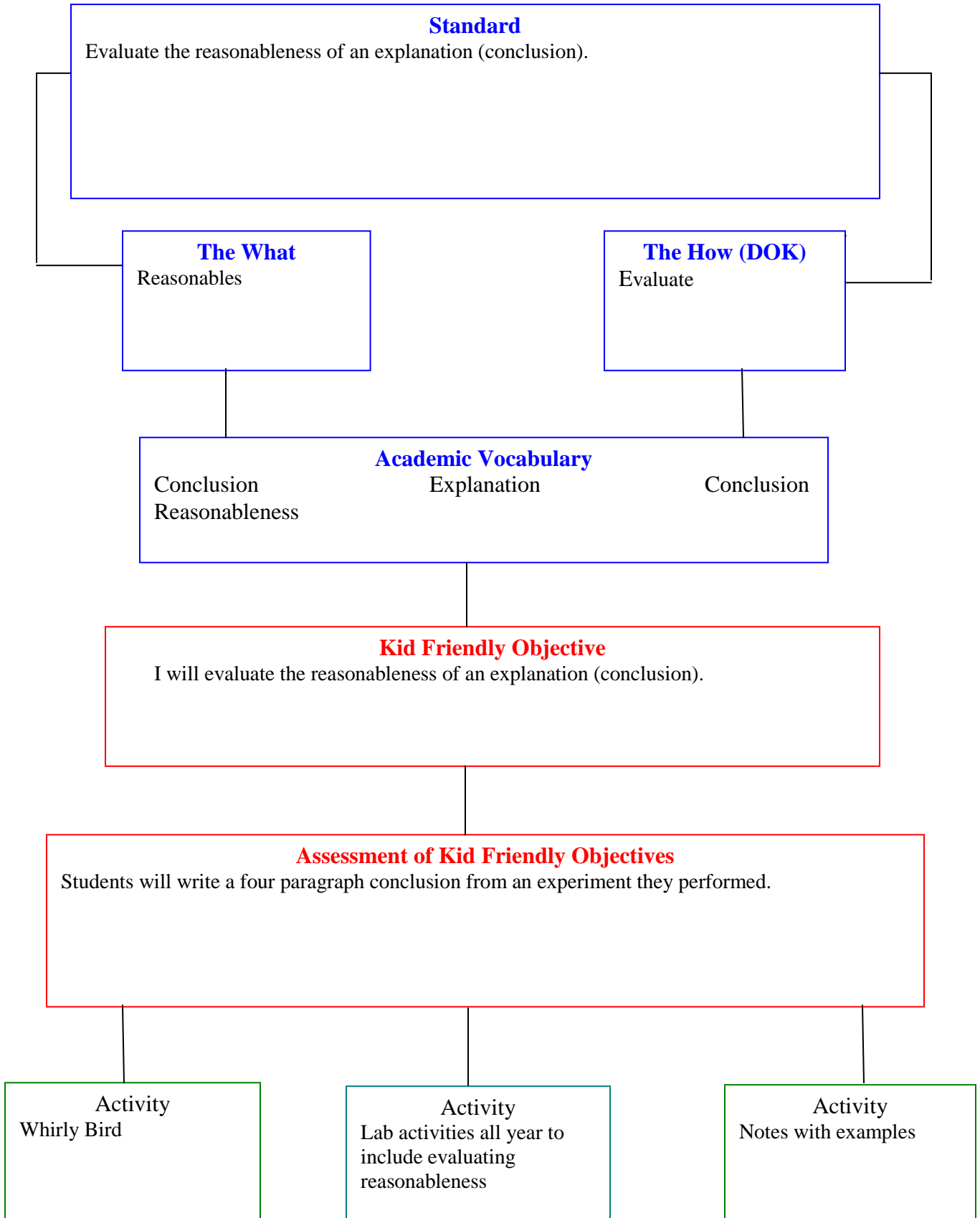
INSTRUCTIONAL DESIGN FRAMEWORK

SI1Ab



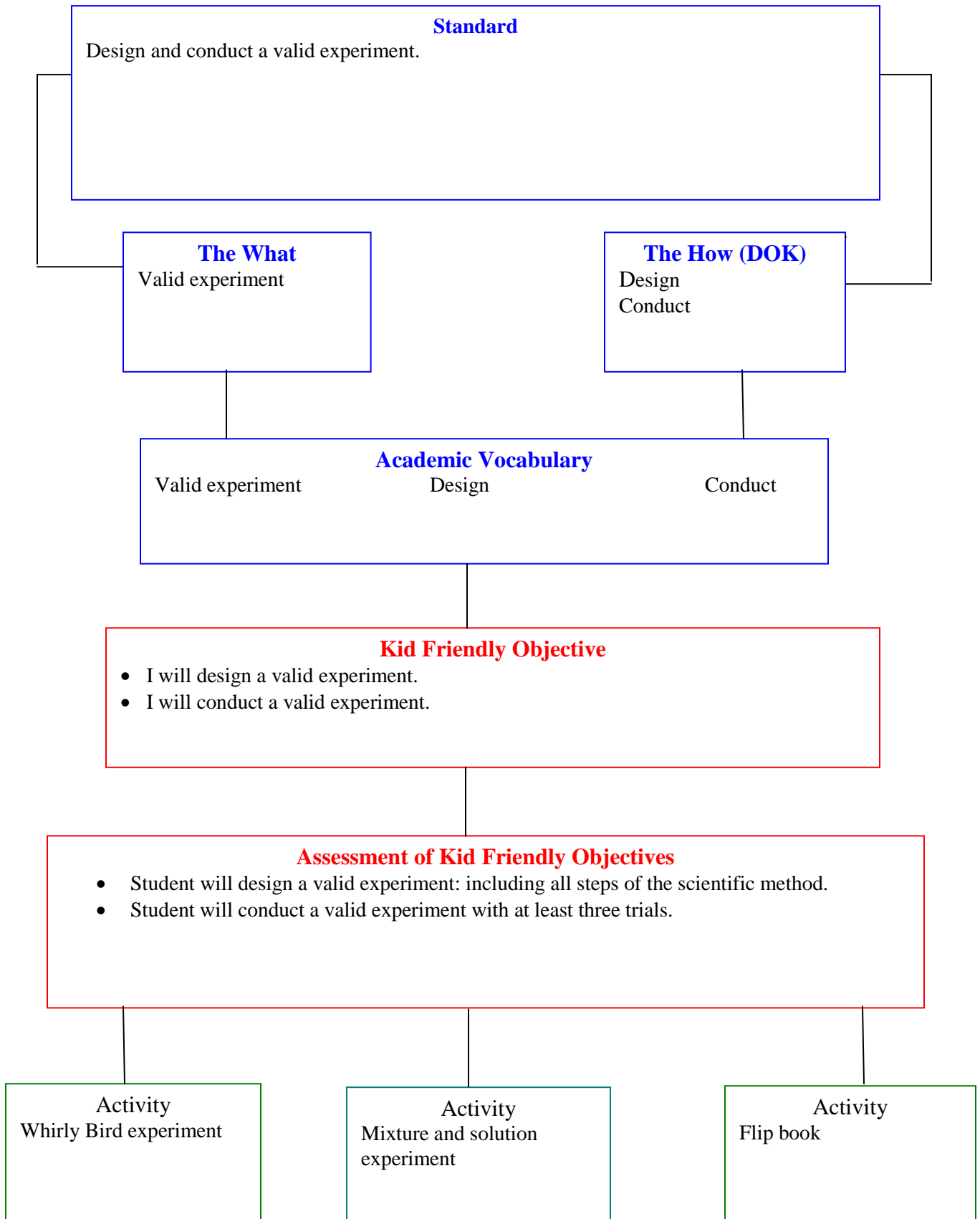
INSTRUCTIONAL DESIGN FRAMEWORK

SI1Cd



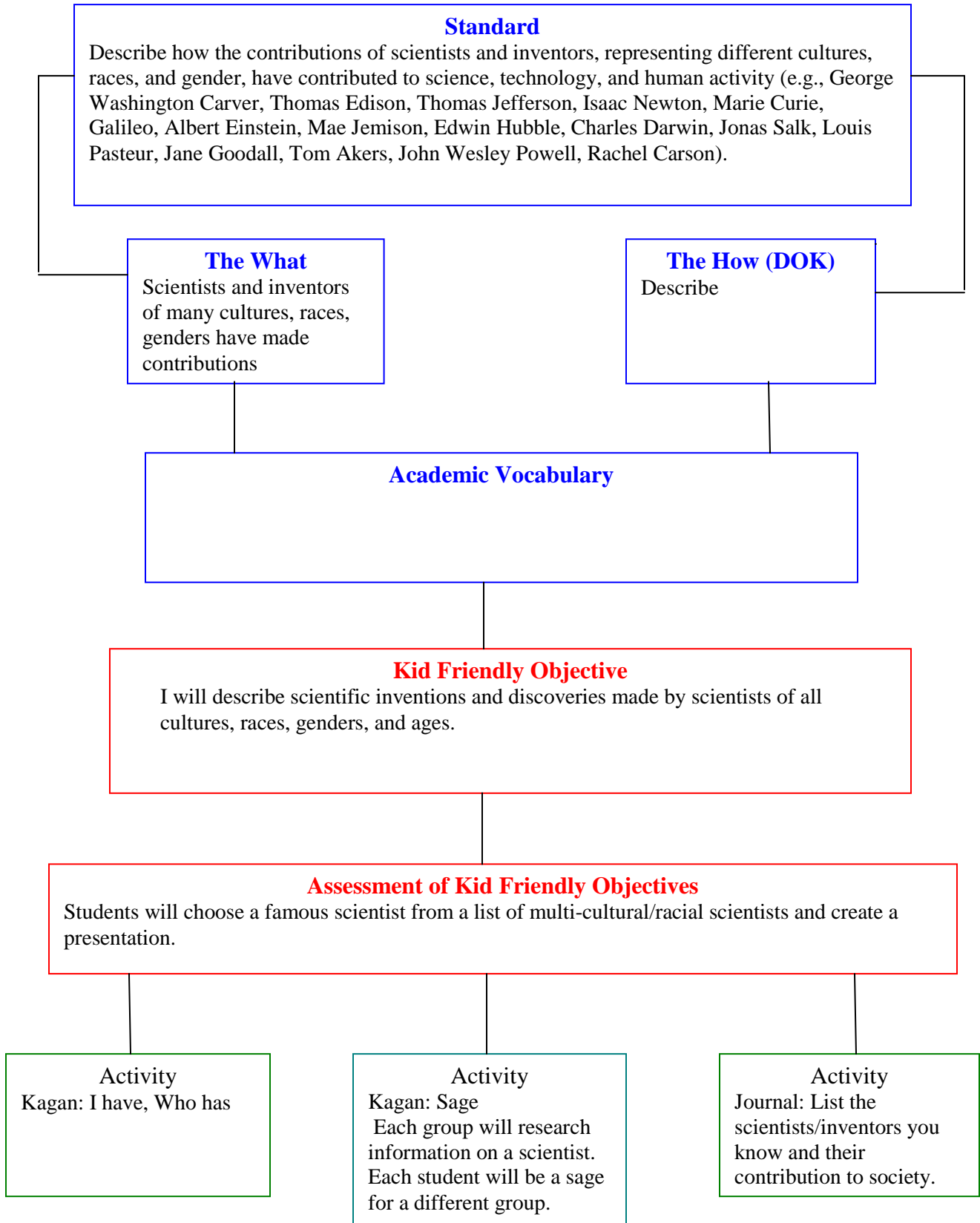
INSTRUCTIONAL DESIGN FRAMEWORK

SI1Ac



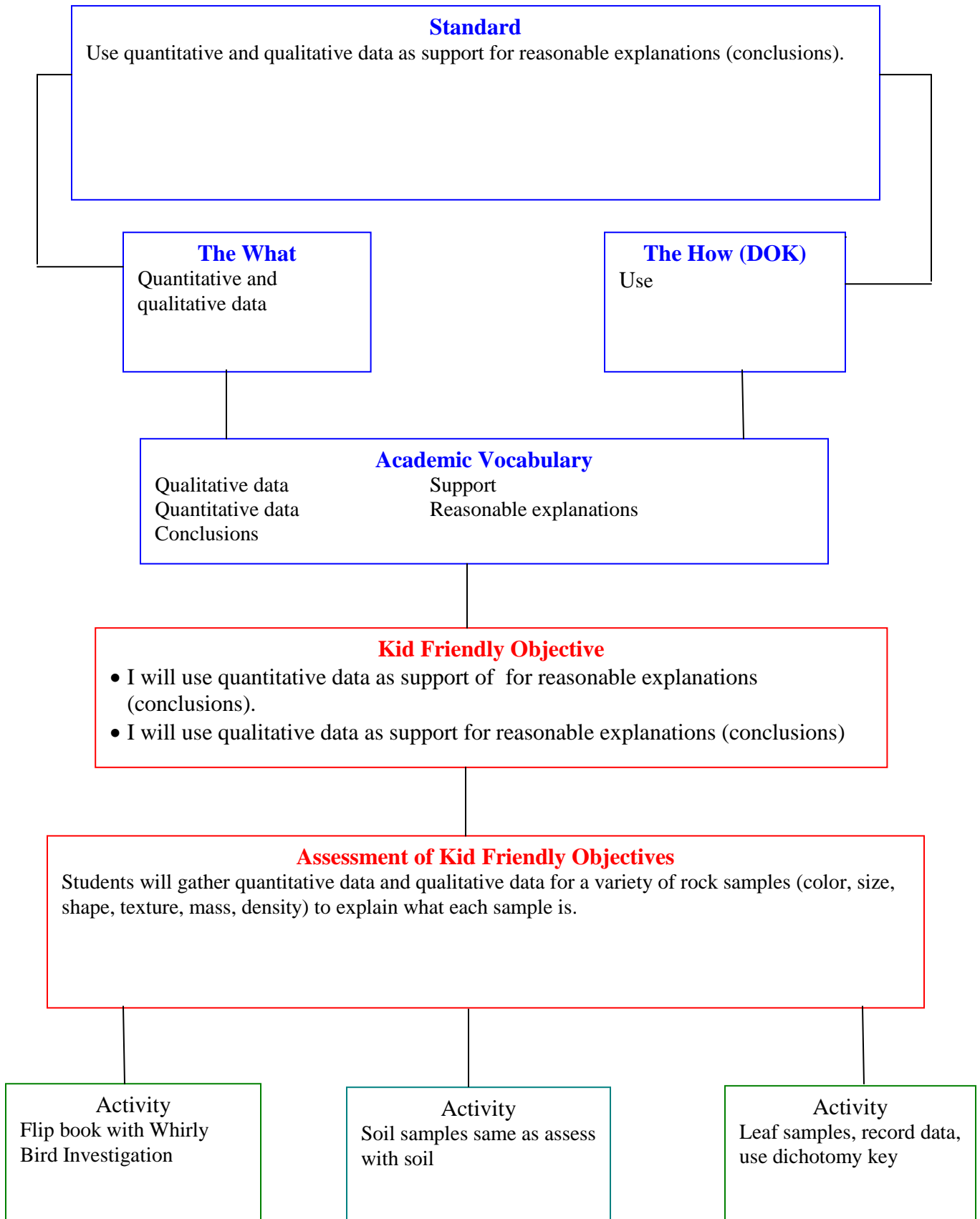
INSTRUCTIONAL DESIGN FRAMEWORK

ST2Aa



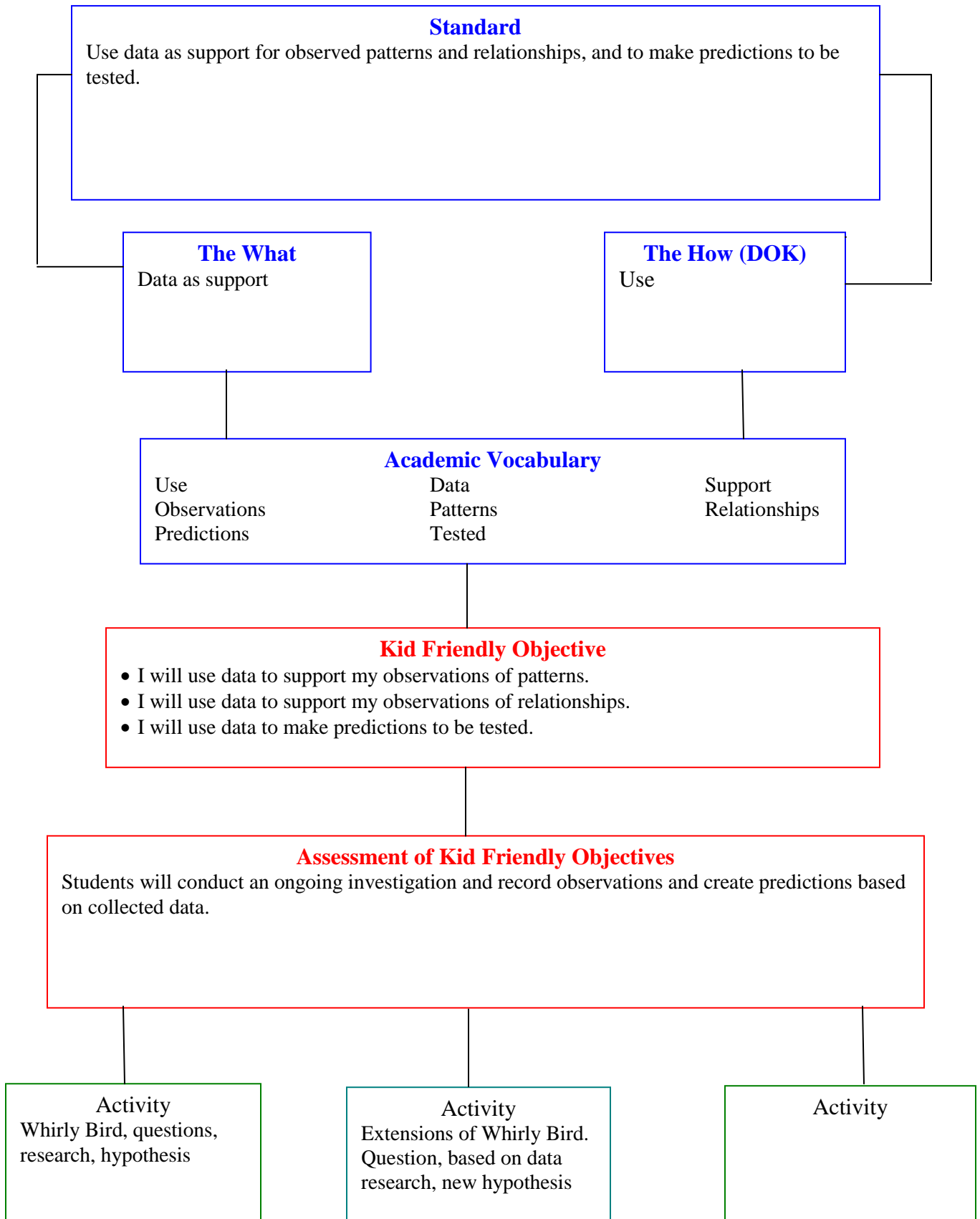
INSTRUCTIONAL DESIGN FRAMEWORK

SI1Ca



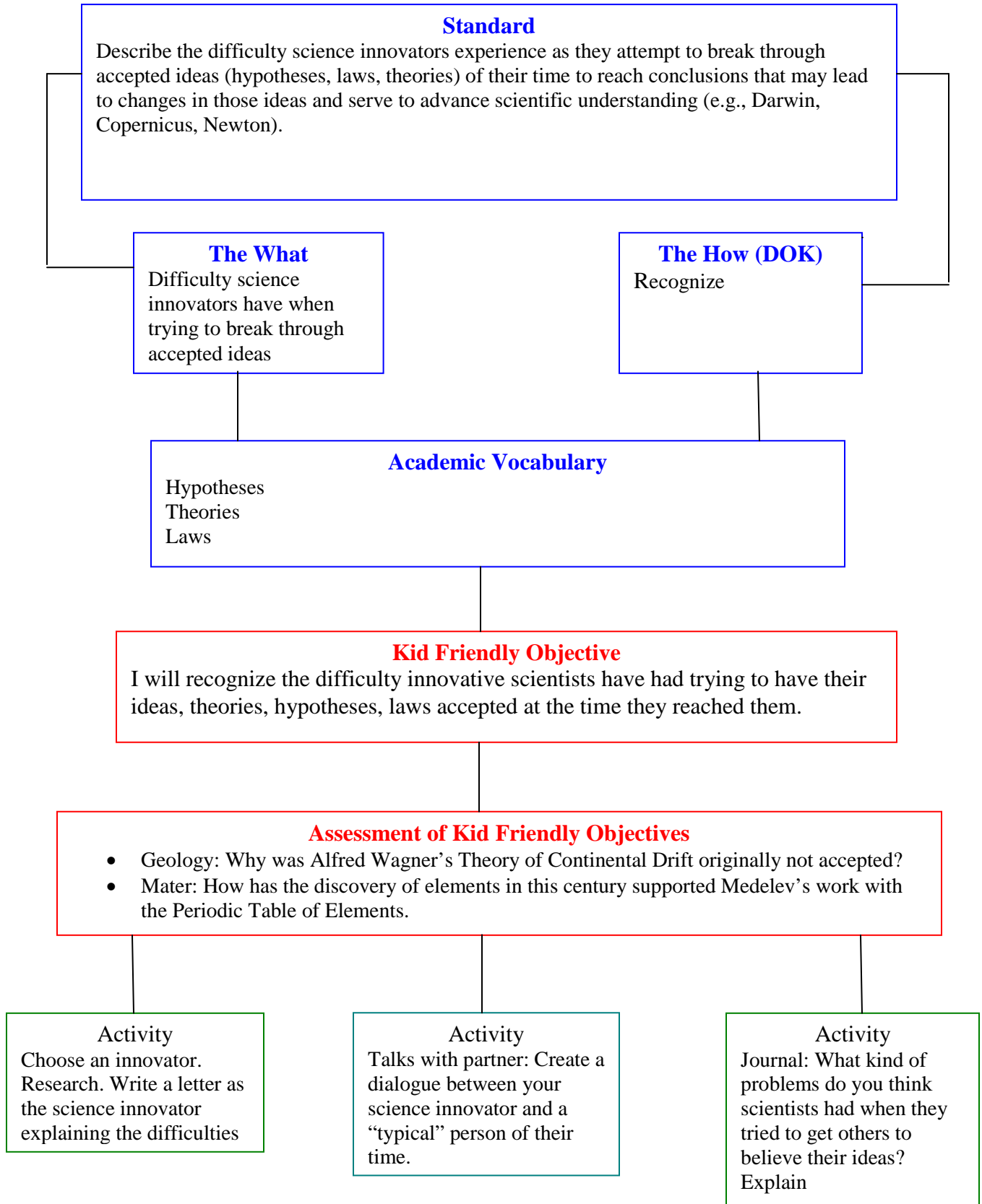
INSTRUCTIONAL DESIGN FRAMEWORK

SI1Cb



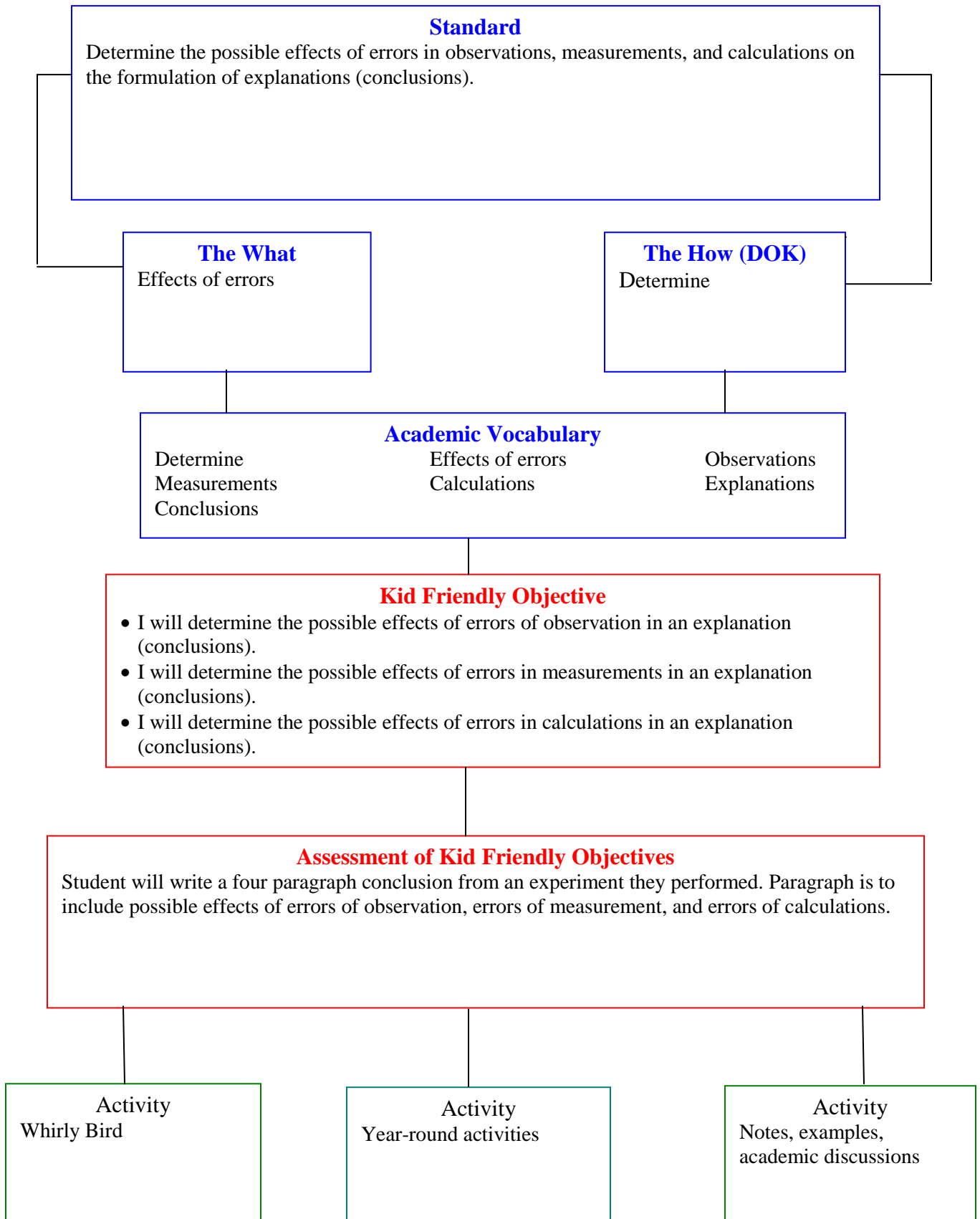
INSTRUCTIONAL DESIGN FRAMEWORK

ST2Ba



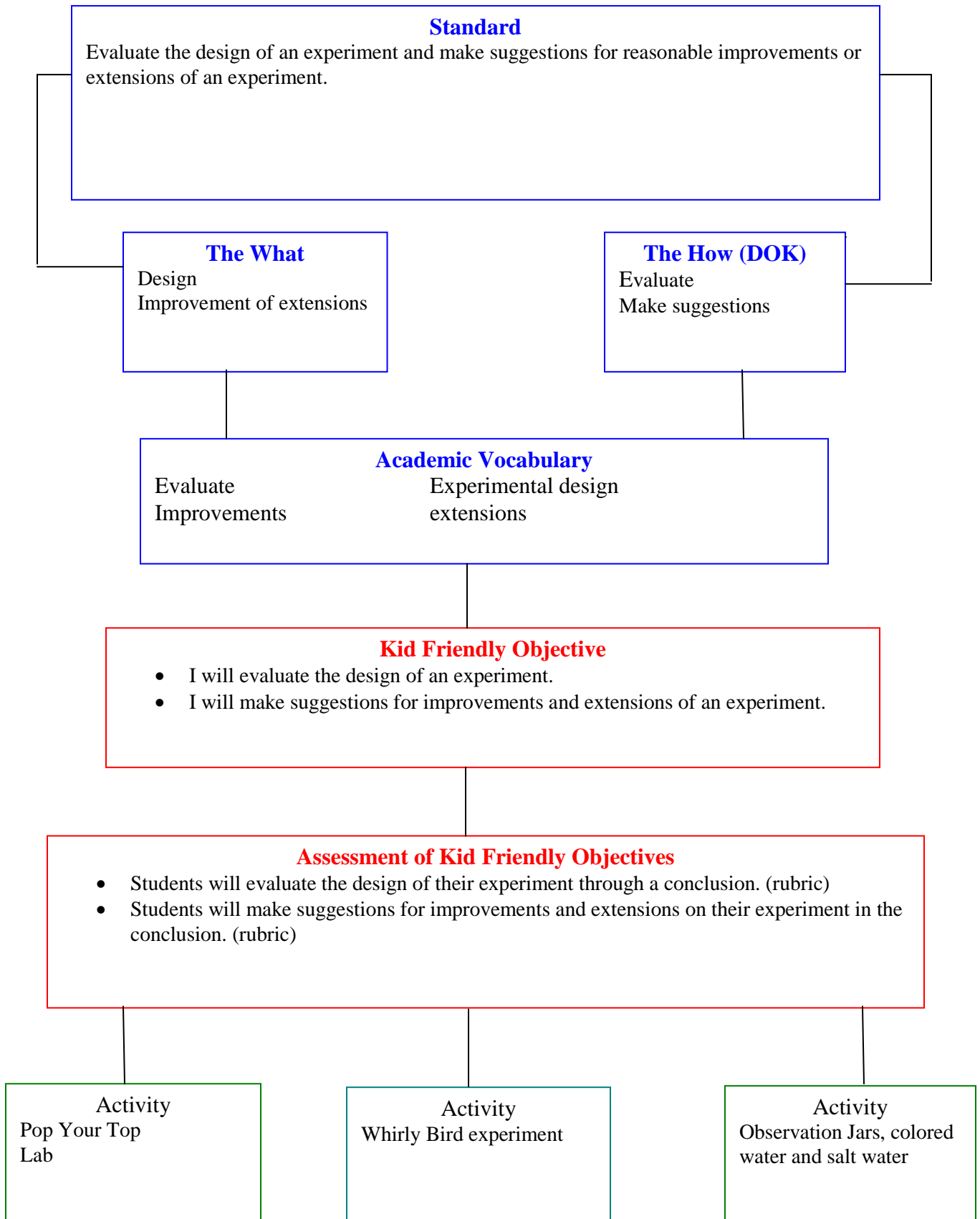
INSTRUCTIONAL DESIGN FRAMEWORK

SI1Cc



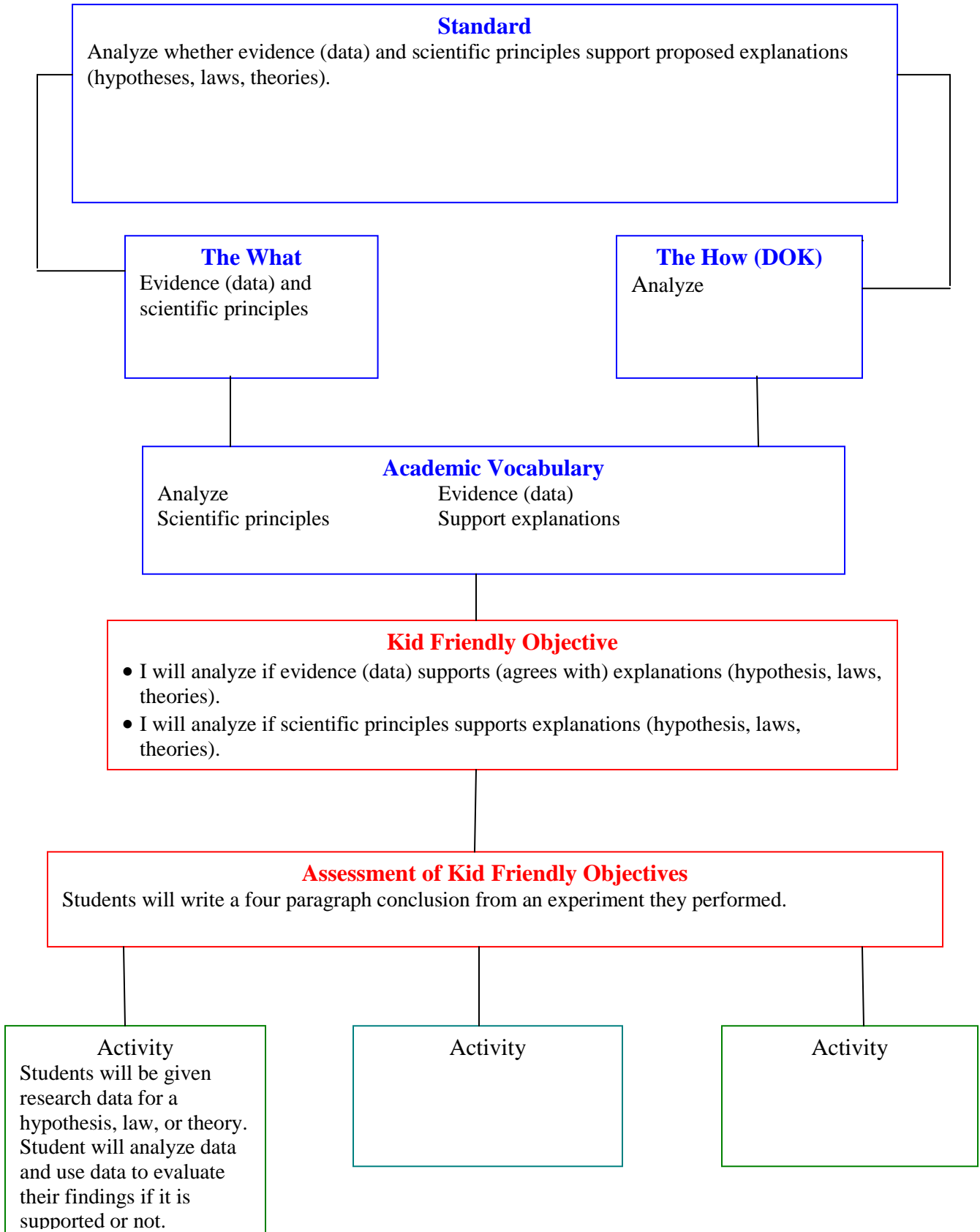
INSTRUCTIONAL DESIGN FRAMEWORK

SI1Ad



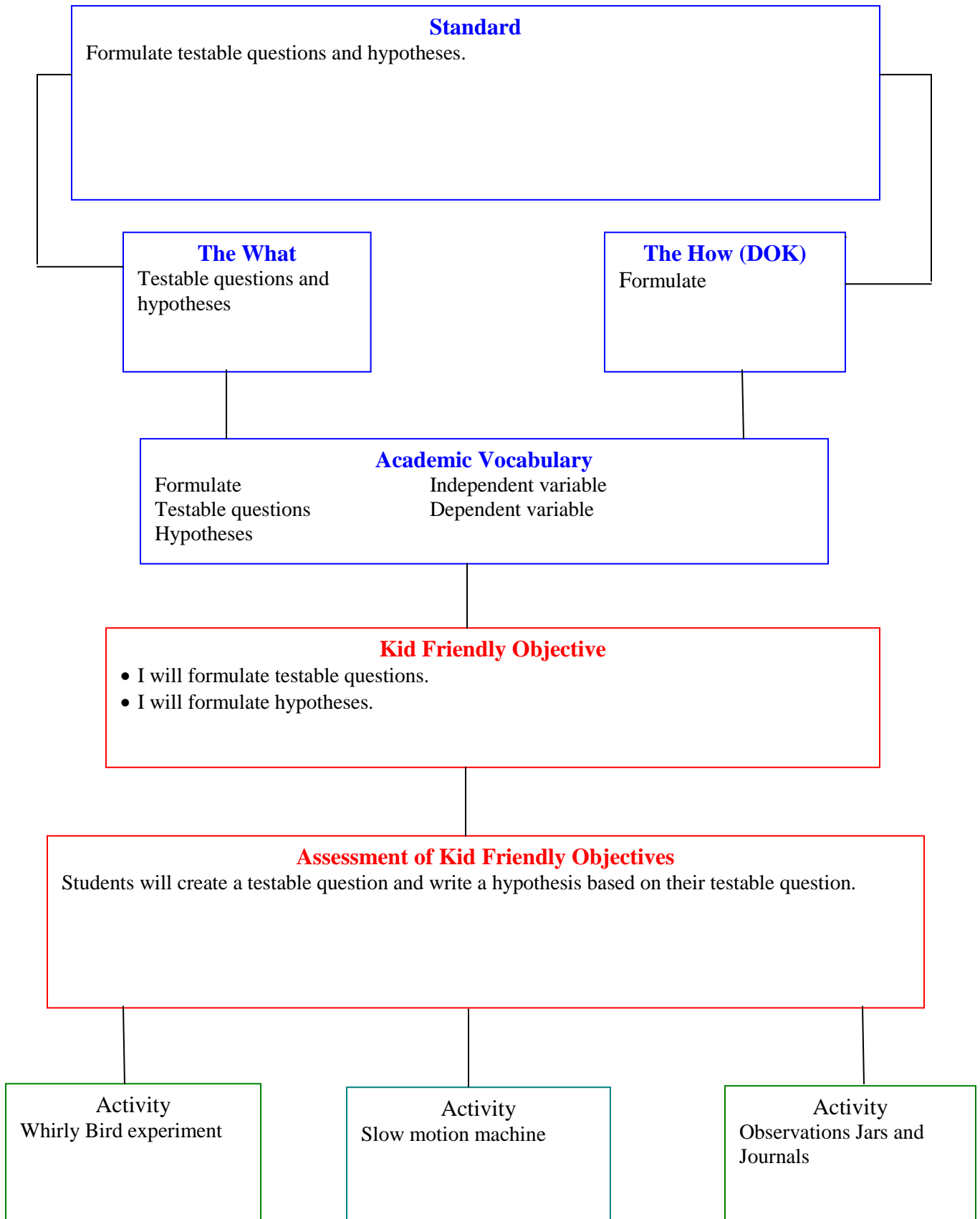
INSTRUCTIONAL DESIGN FRAMEWORK

SI1Ce



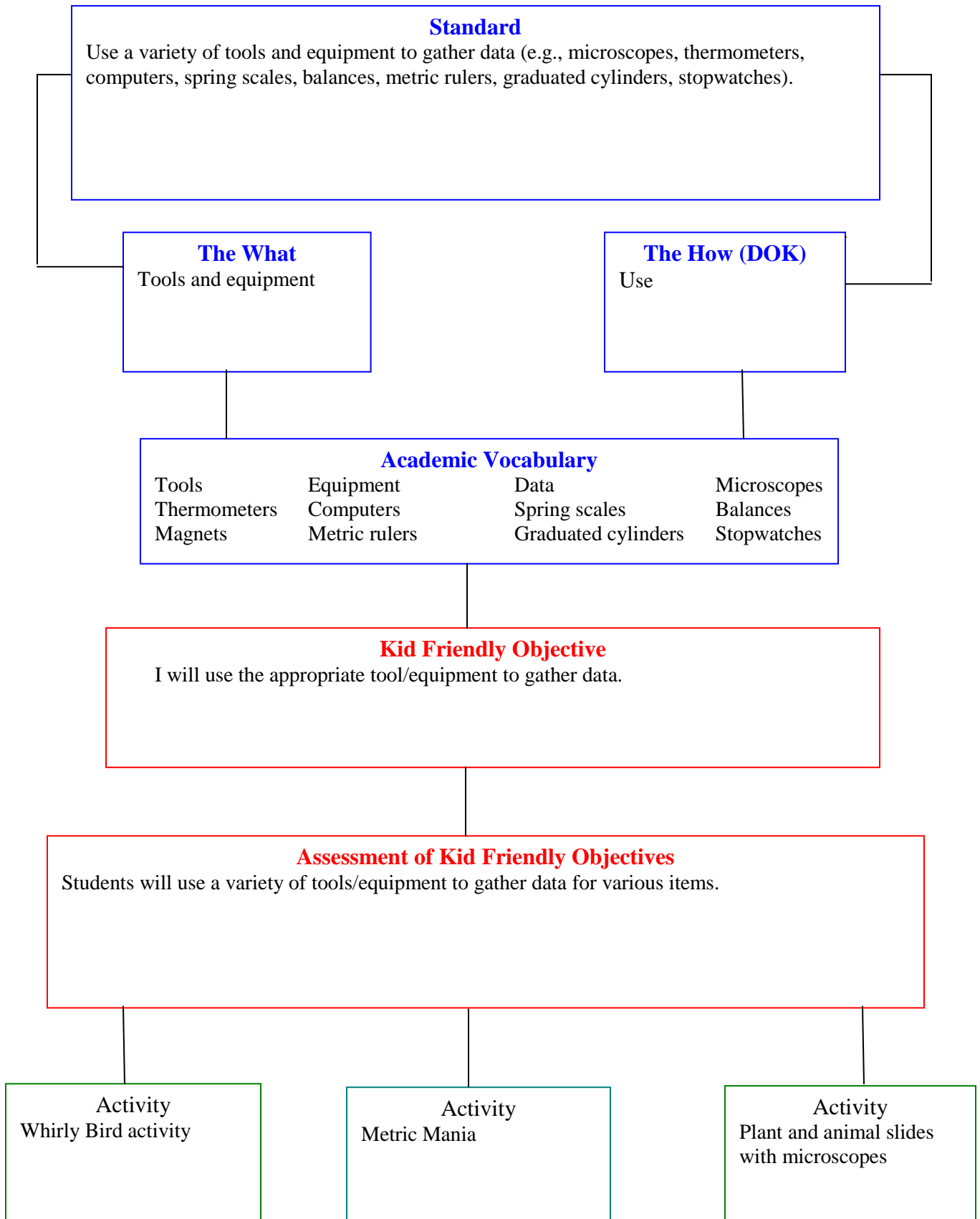
INSTRUCTIONAL DESIGN FRAMEWORK

SI1Aa



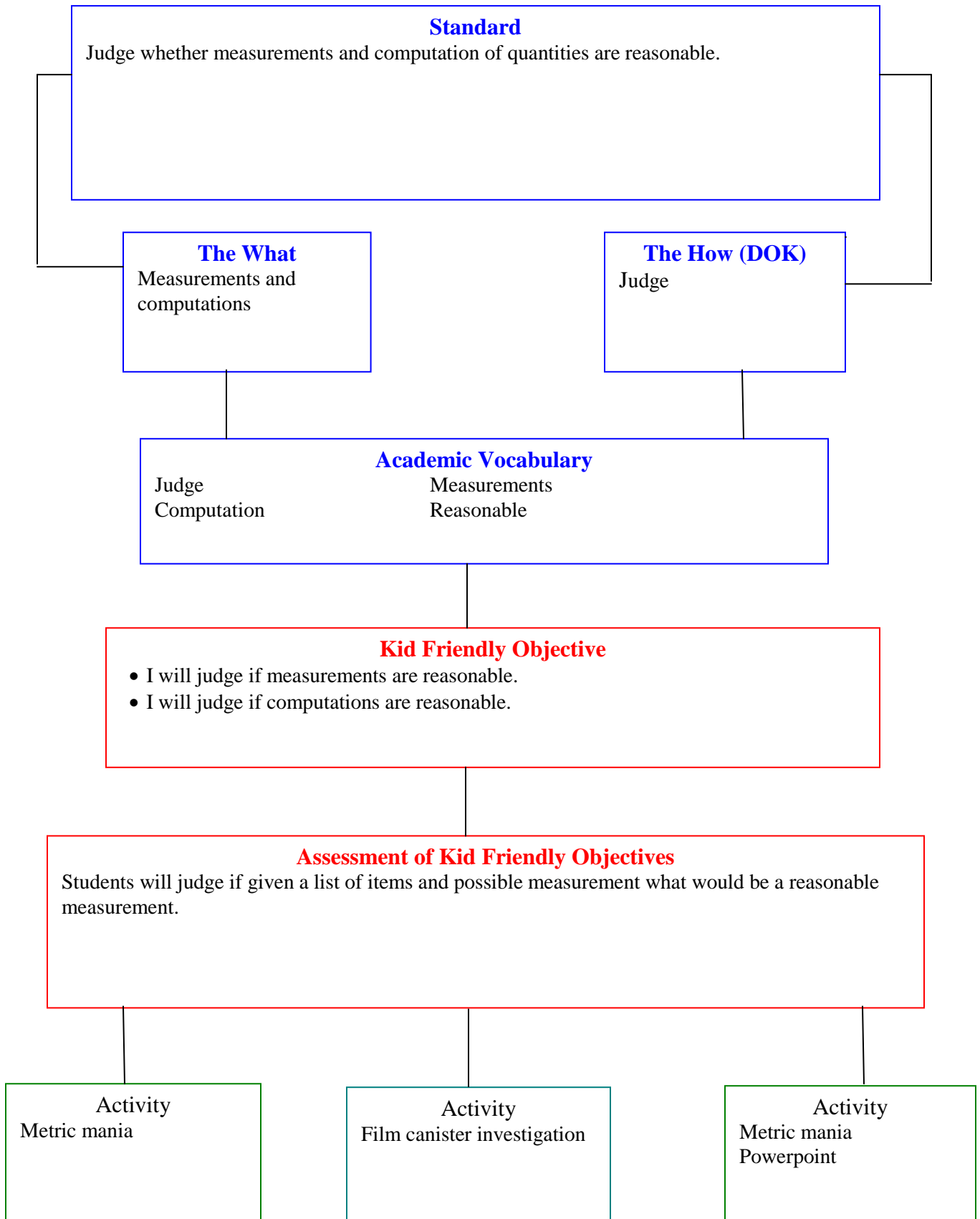
INSTRUCTIONAL DESIGN FRAMEWORK

SI1Bc



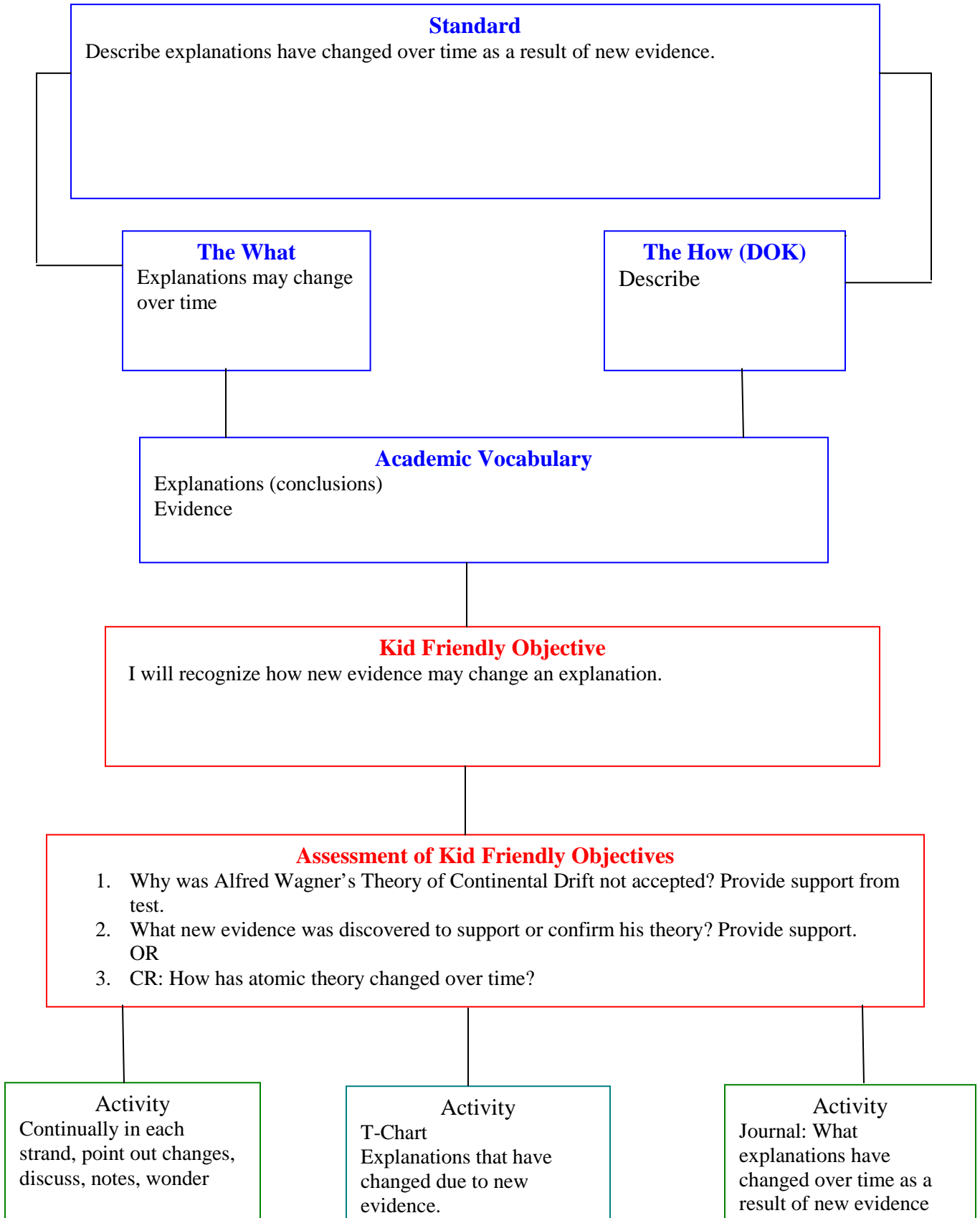
INSTRUCTIONAL DESIGN FRAMEWORK

SI1Bf



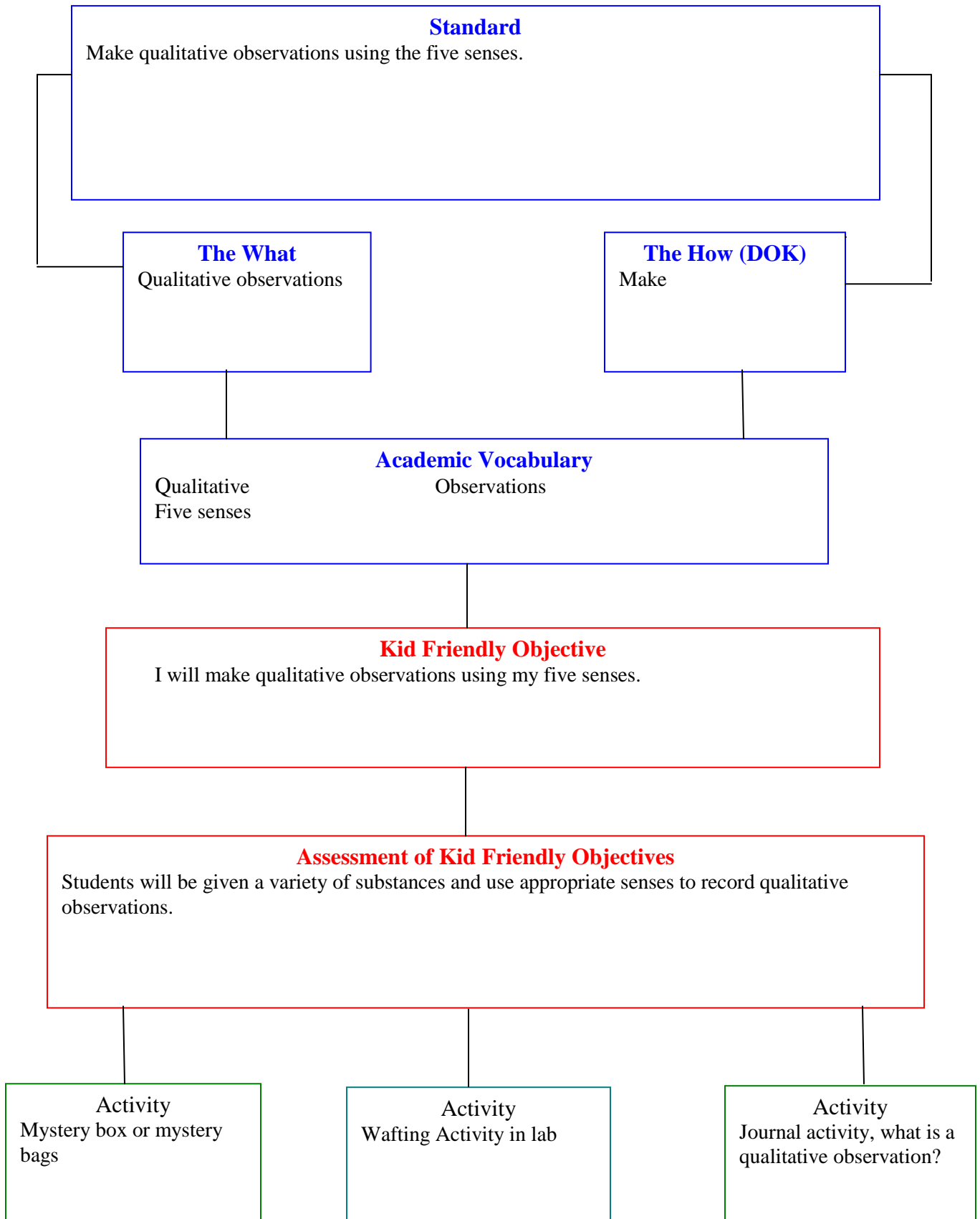
INSTRUCTIONAL DESIGN FRAMEWORK

ST2Bb



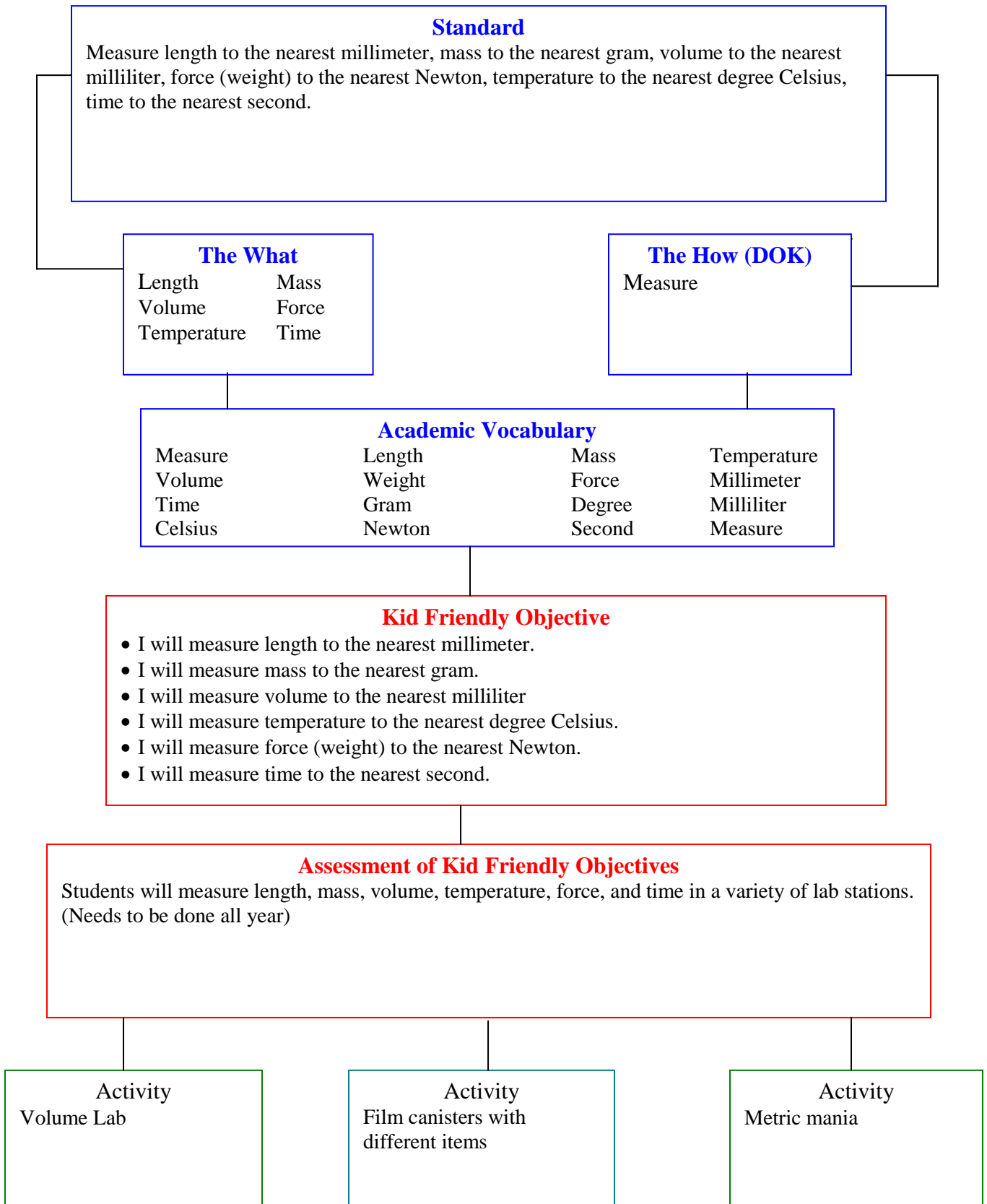
INSTRUCTIONAL DESIGN FRAMEWORK

SI1Ba



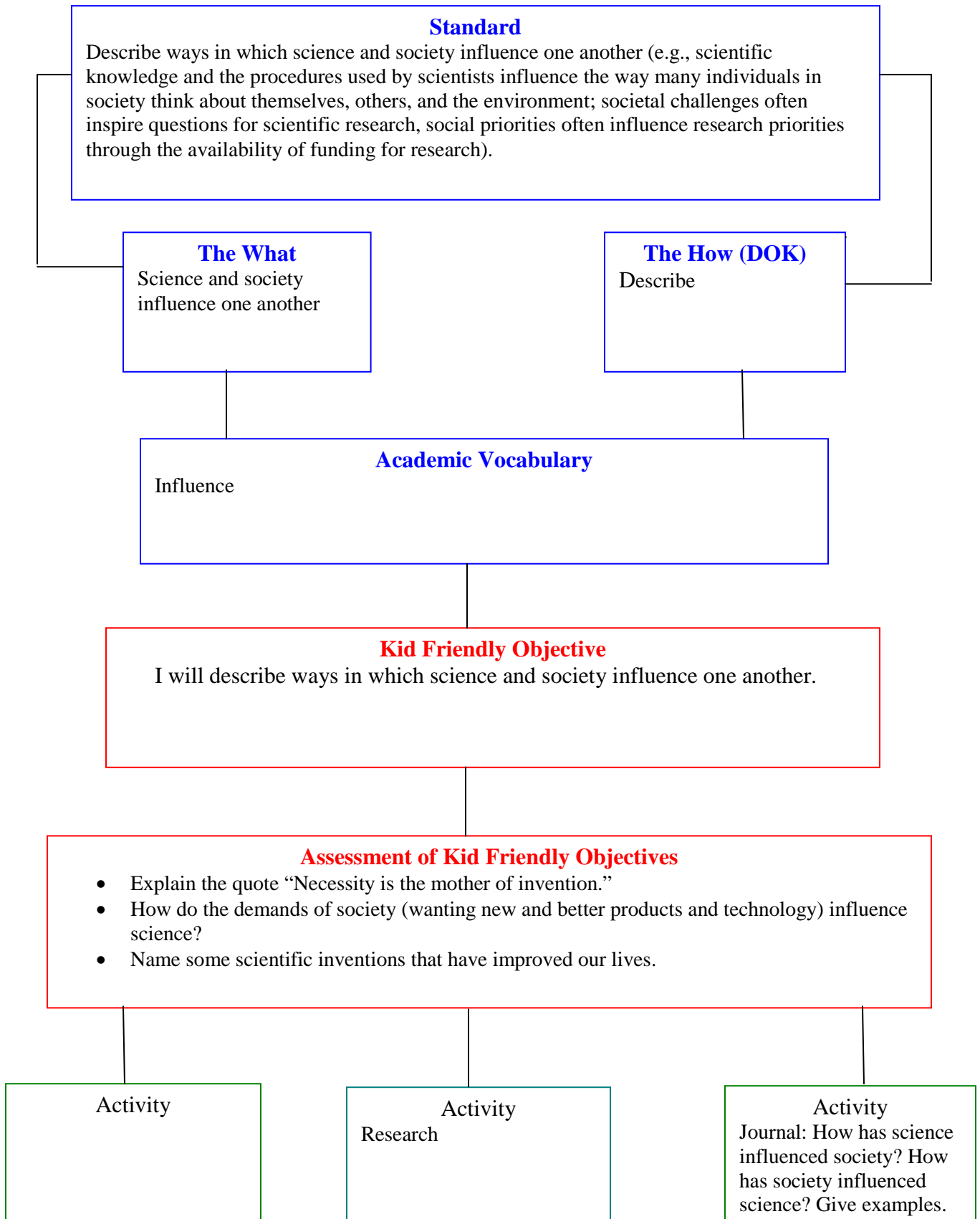
INSTRUCTIONAL DESIGN FRAMEWORK

SI1Bd



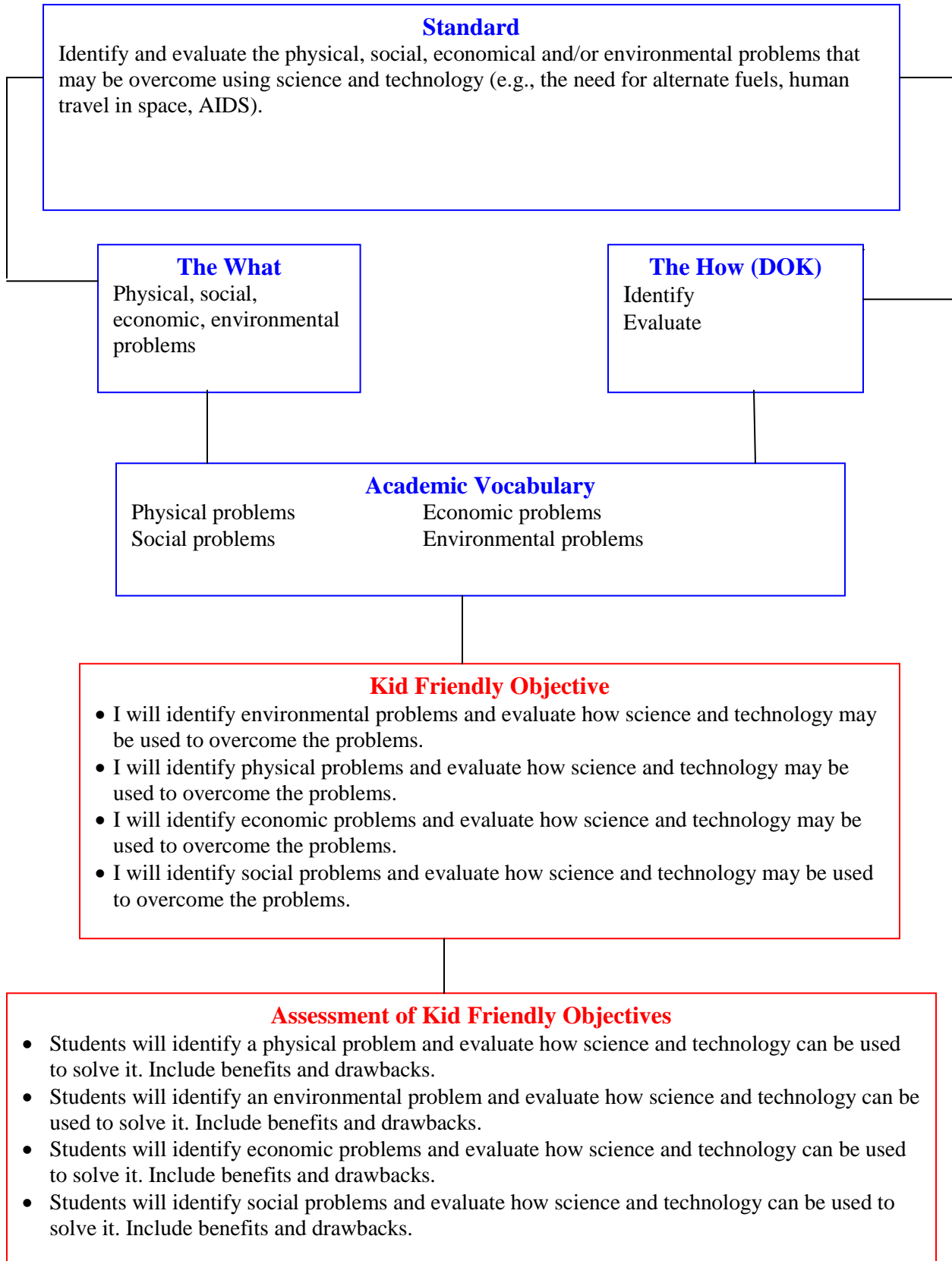
INSTRUCTIONAL DESIGN FRAMEWORK

ST3Ba



INSTRUCTIONAL DESIGN FRAMEWORK

ST3Bb



Activity

Have groups discuss and write an evaluation of other groups solutions with pros and cons.

Activity

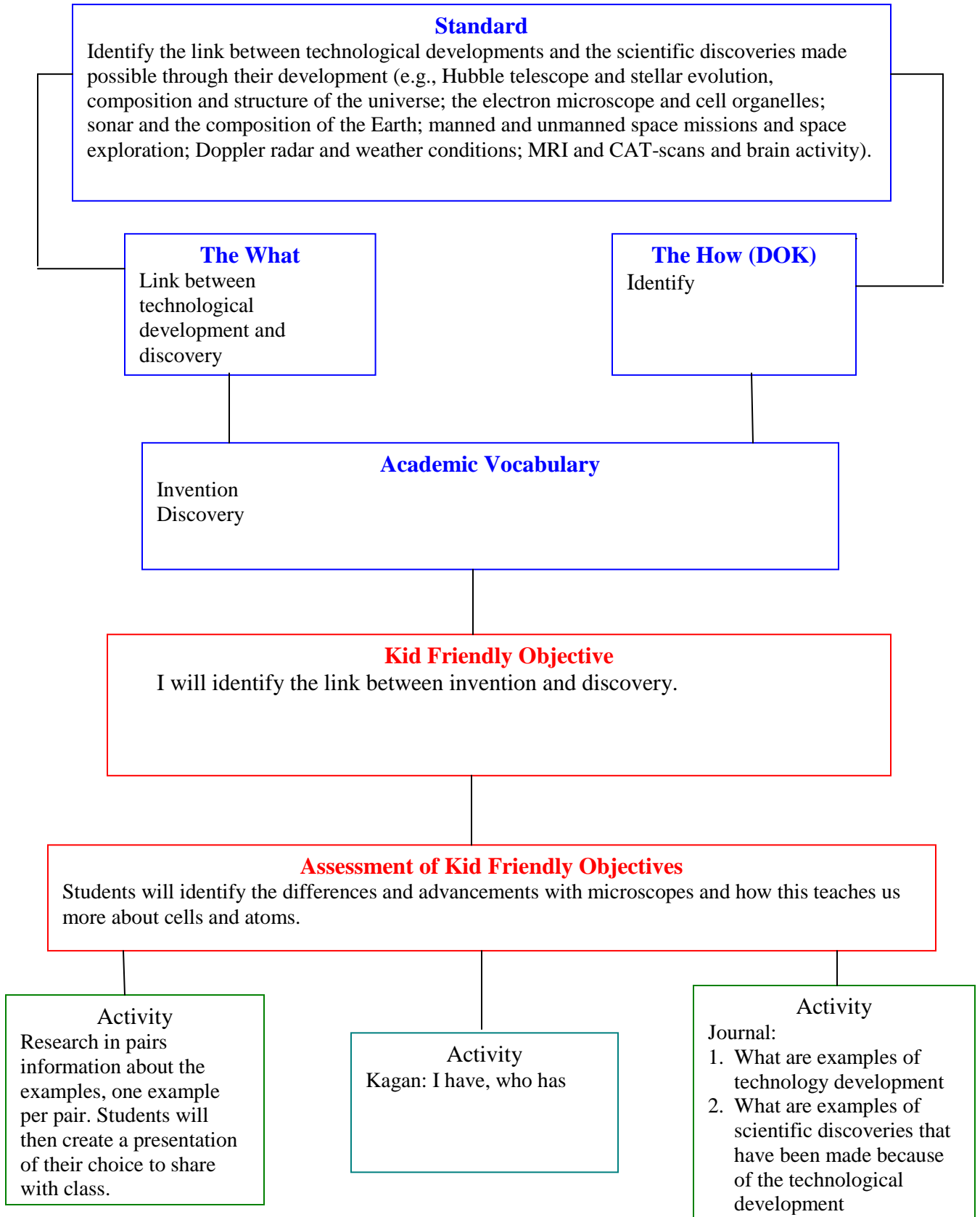
Research in groups
Potential problems.
Brainstorm possible solutions that use science / technology

Activity

Journal: What are some problems that science and technology may be used to solve the problem. Explain who or what does this problem affect.

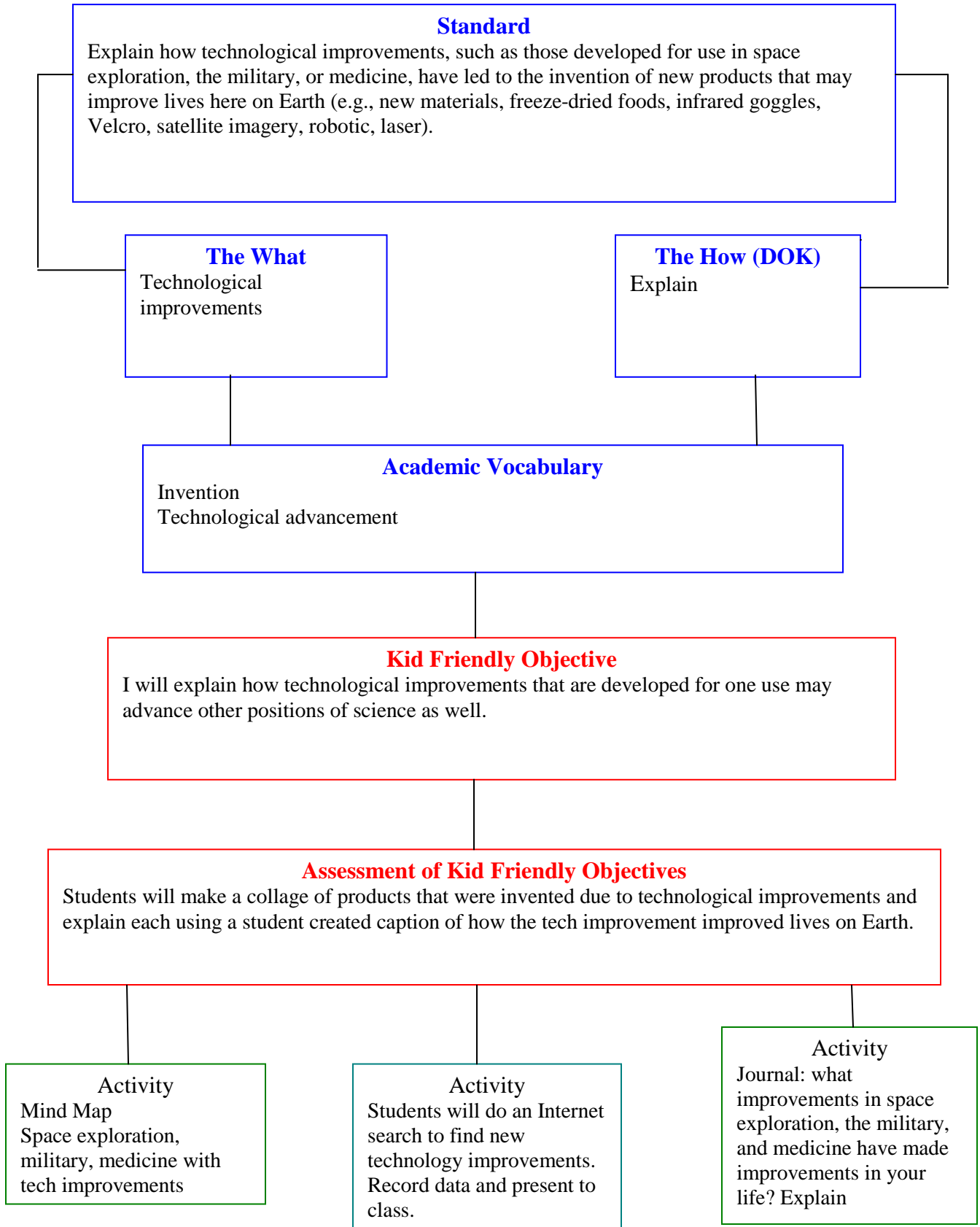
INSTRUCTIONAL DESIGN FRAMEWORK

ST1B



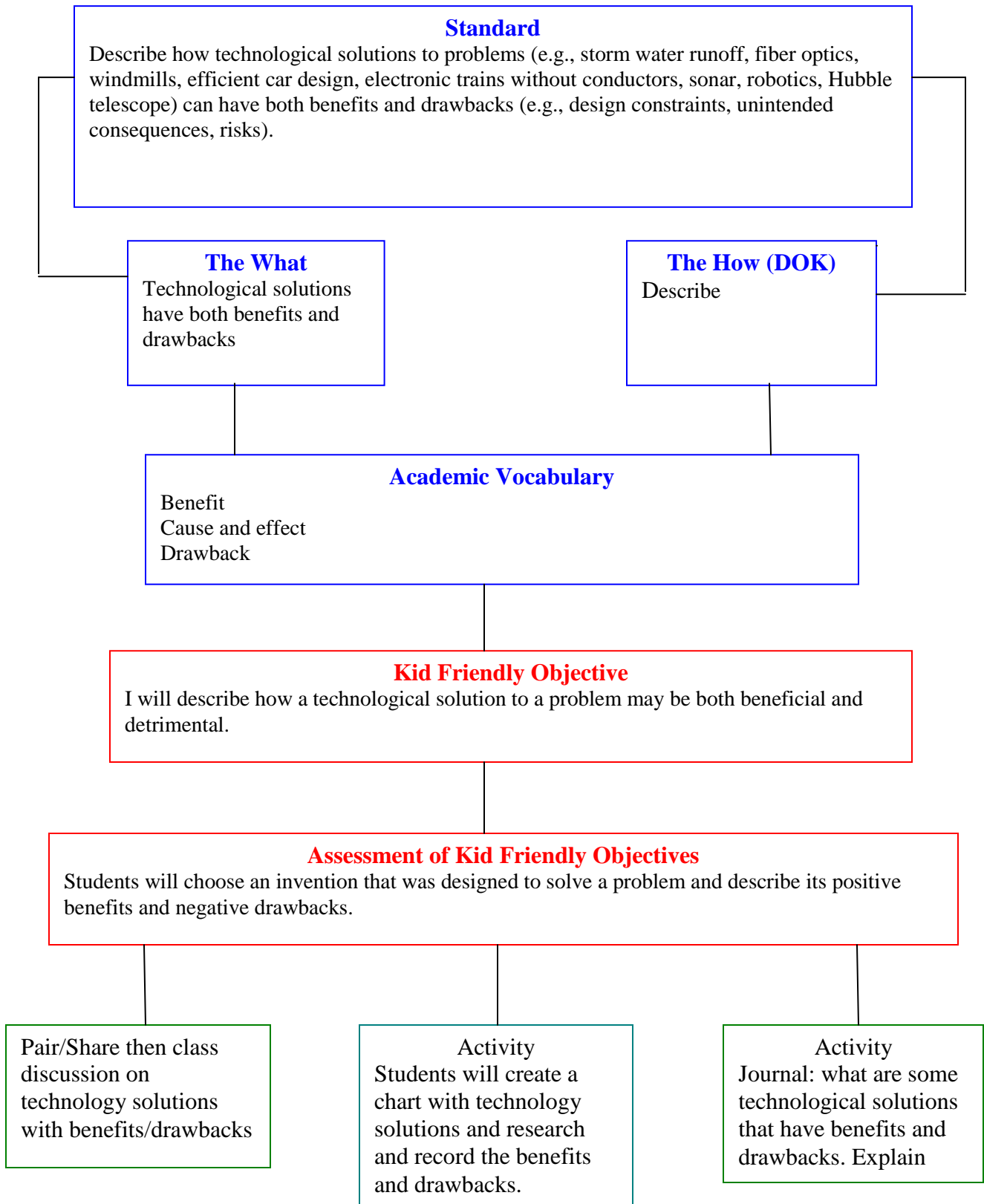
INSTRUCTIONAL DESIGN FRAMEWORK

ST1A



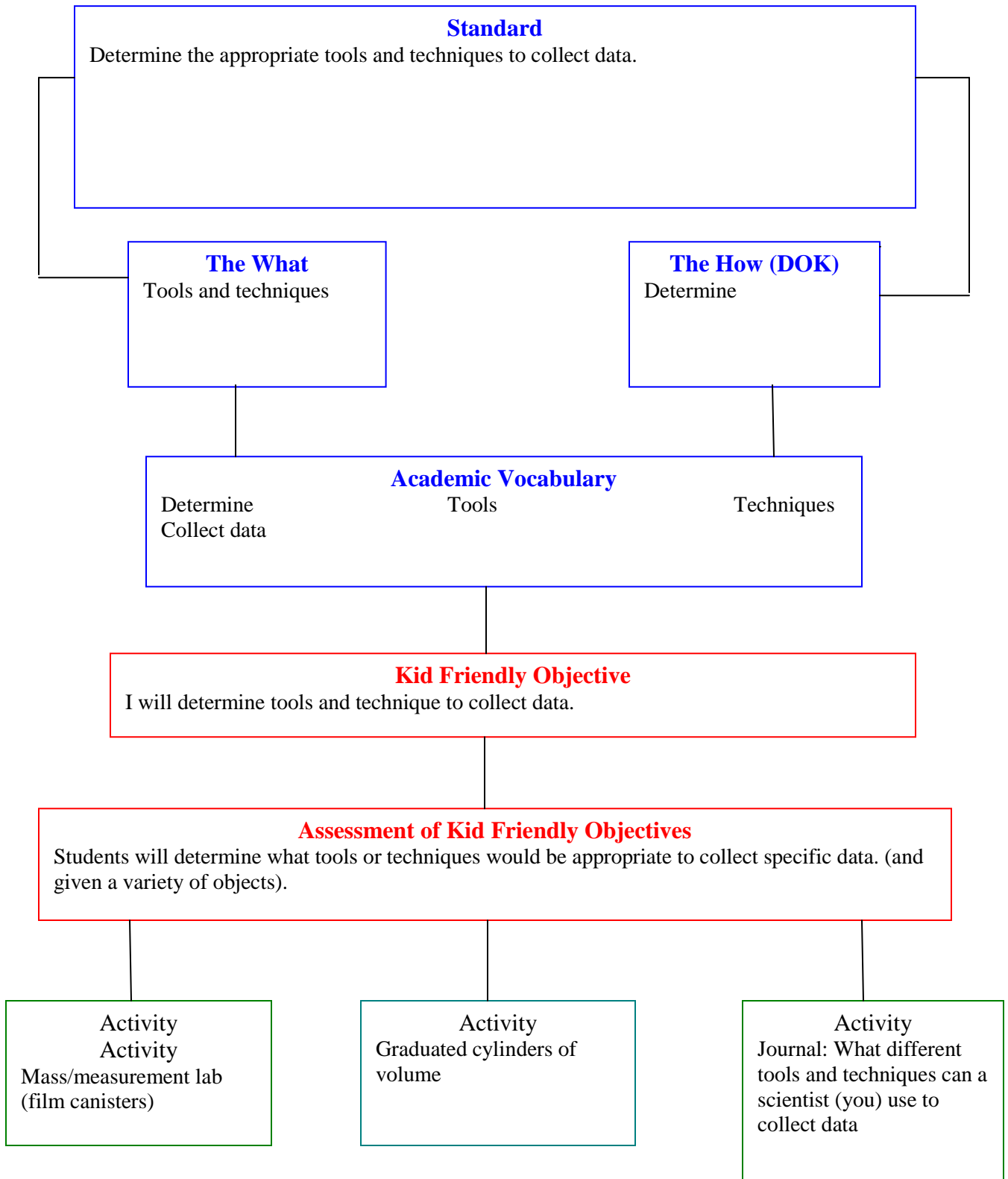
INSTRUCTIONAL DESIGN FRAMEWORK

ST1C



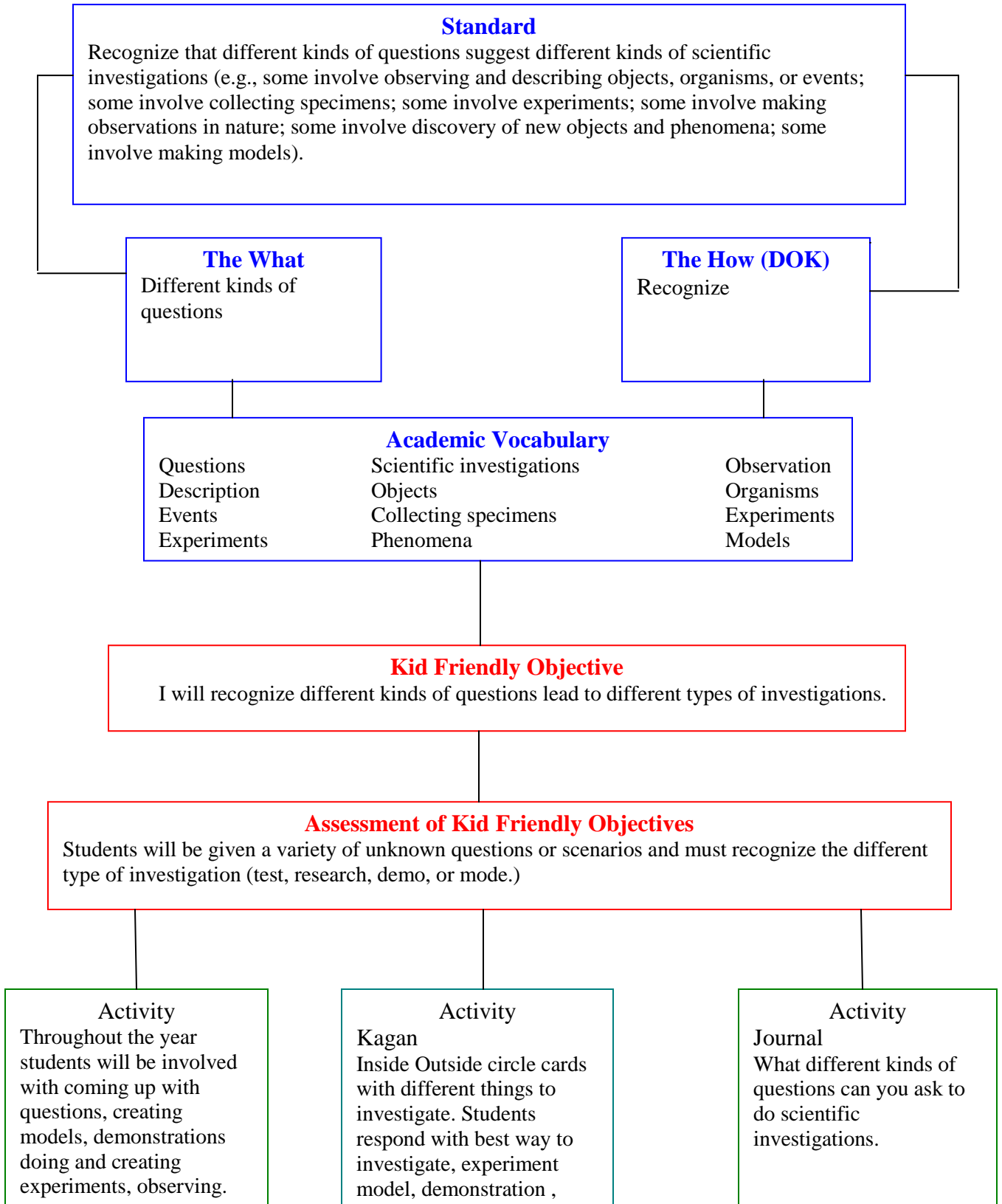
INSTRUCTIONAL DESIGN FRAMEWORK

SI1Bb



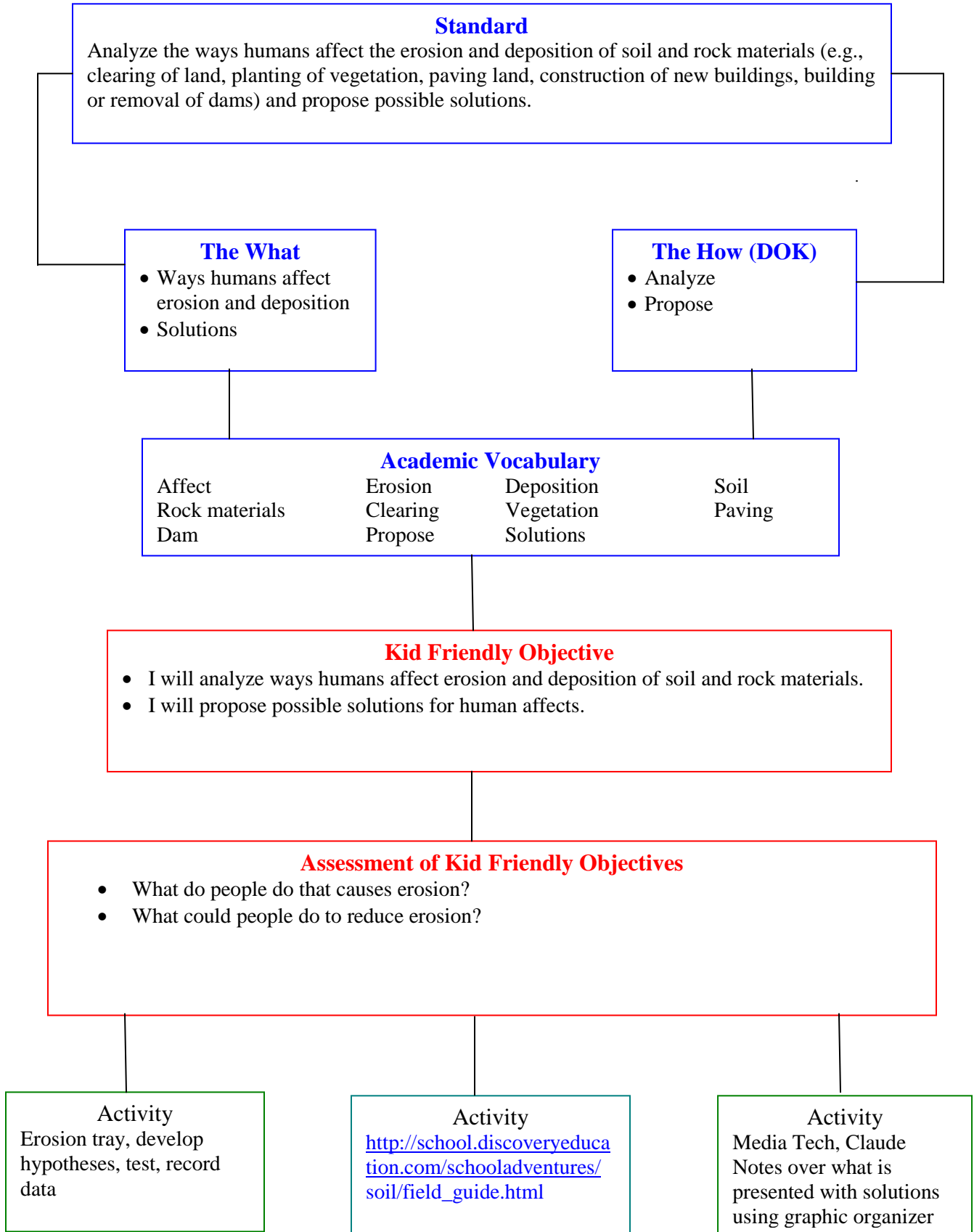
INSTRUCTIONAL DESIGN FRAMEWORK

S11Ae



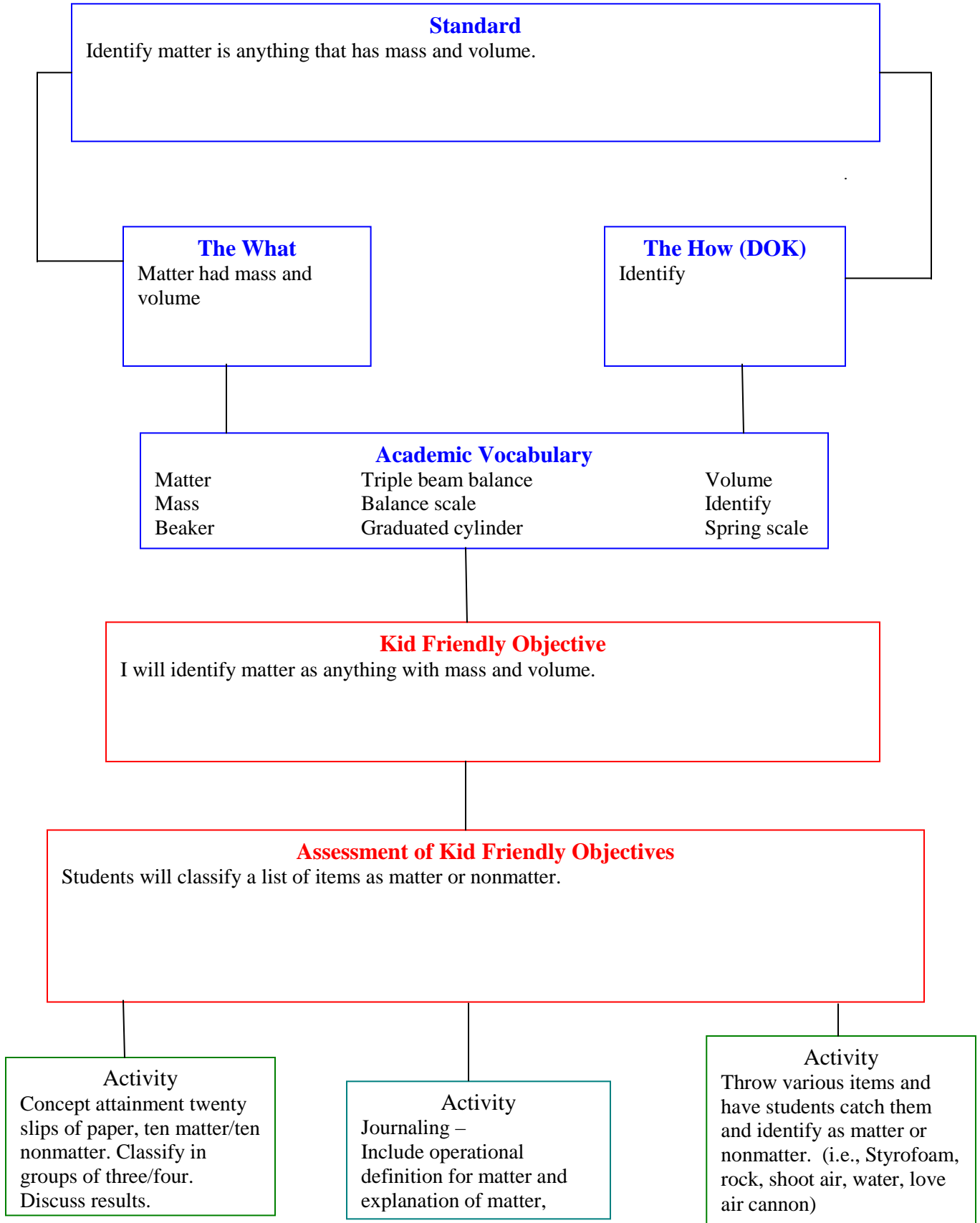
INSTRUCTIONAL DESIGN FRAMEWORK

ES3Ac



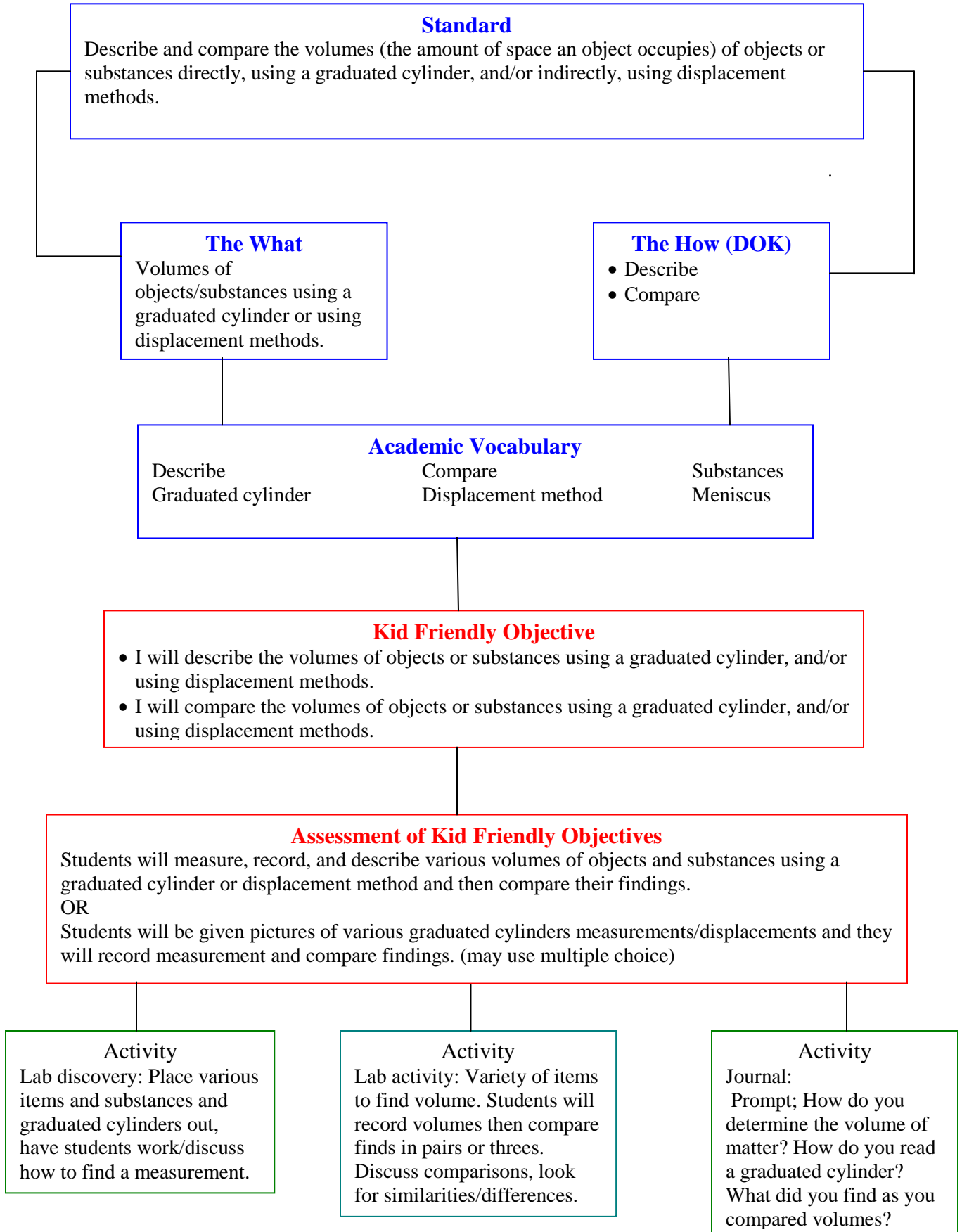
INSTRUCTIONAL DESIGN FRAMEWORK

ME1Aa



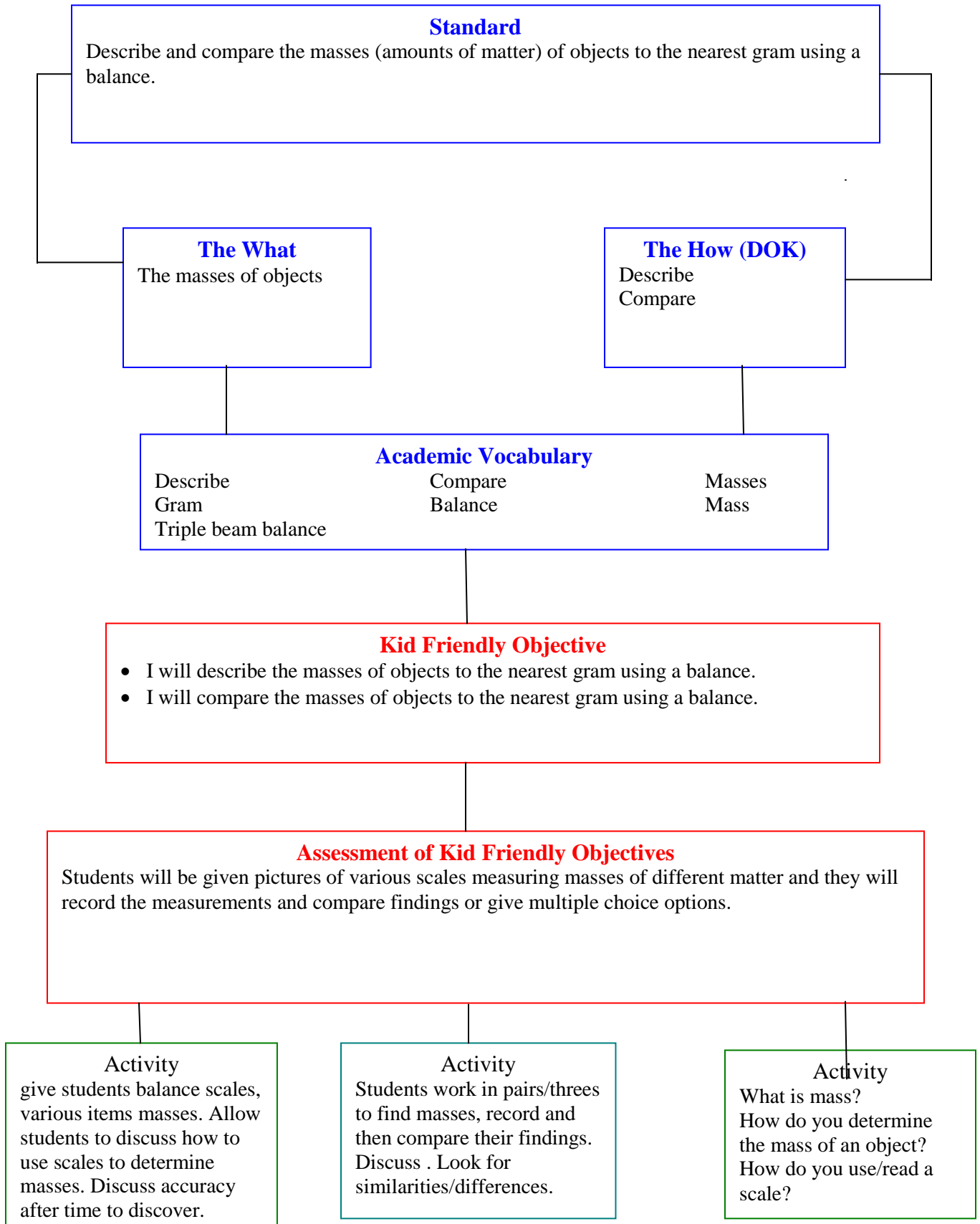
INSTRUCTIONAL DESIGN FRAMEWORK

ME1Ab



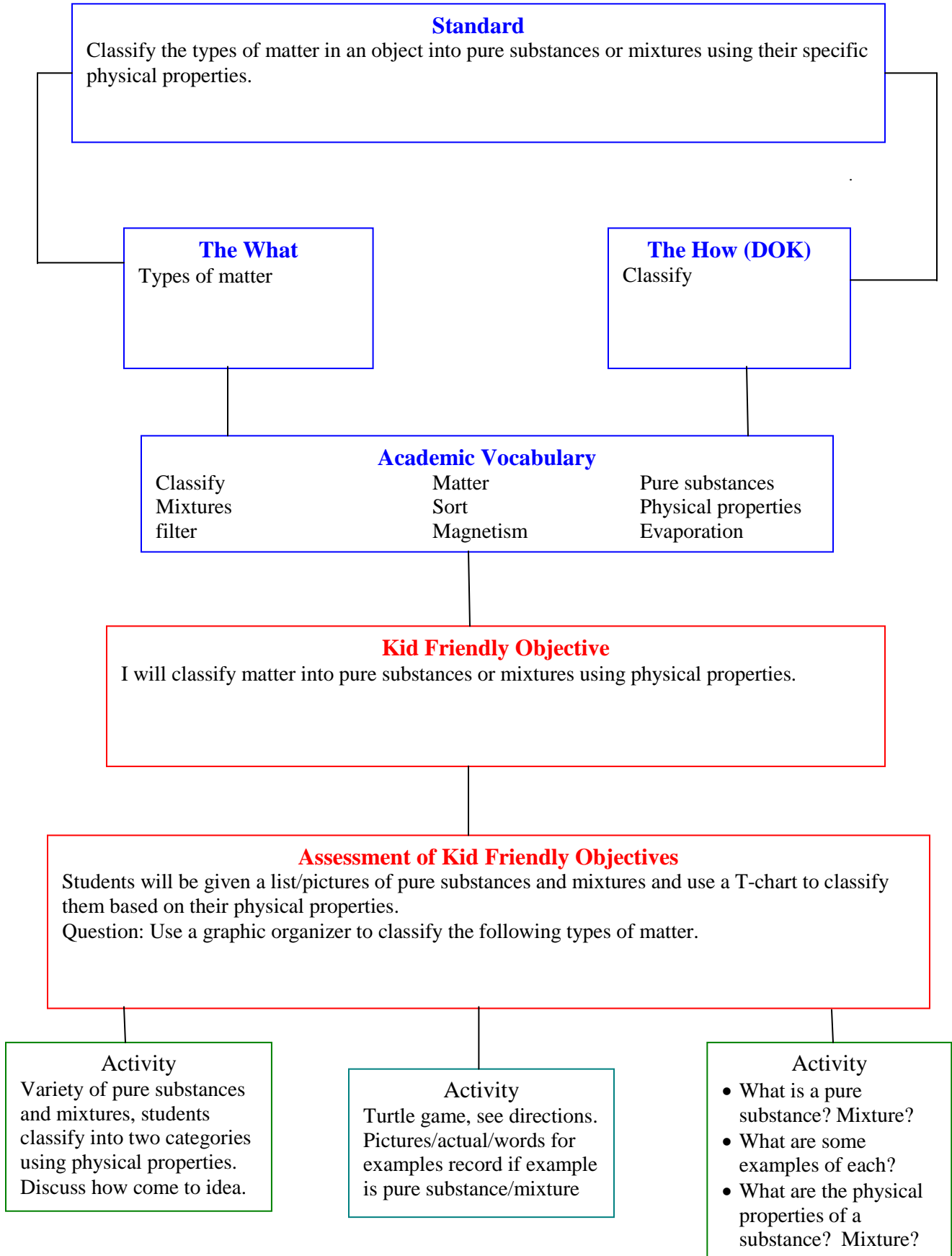
INSTRUCTIONAL DESIGN FRAMEWORK

ME1Ac



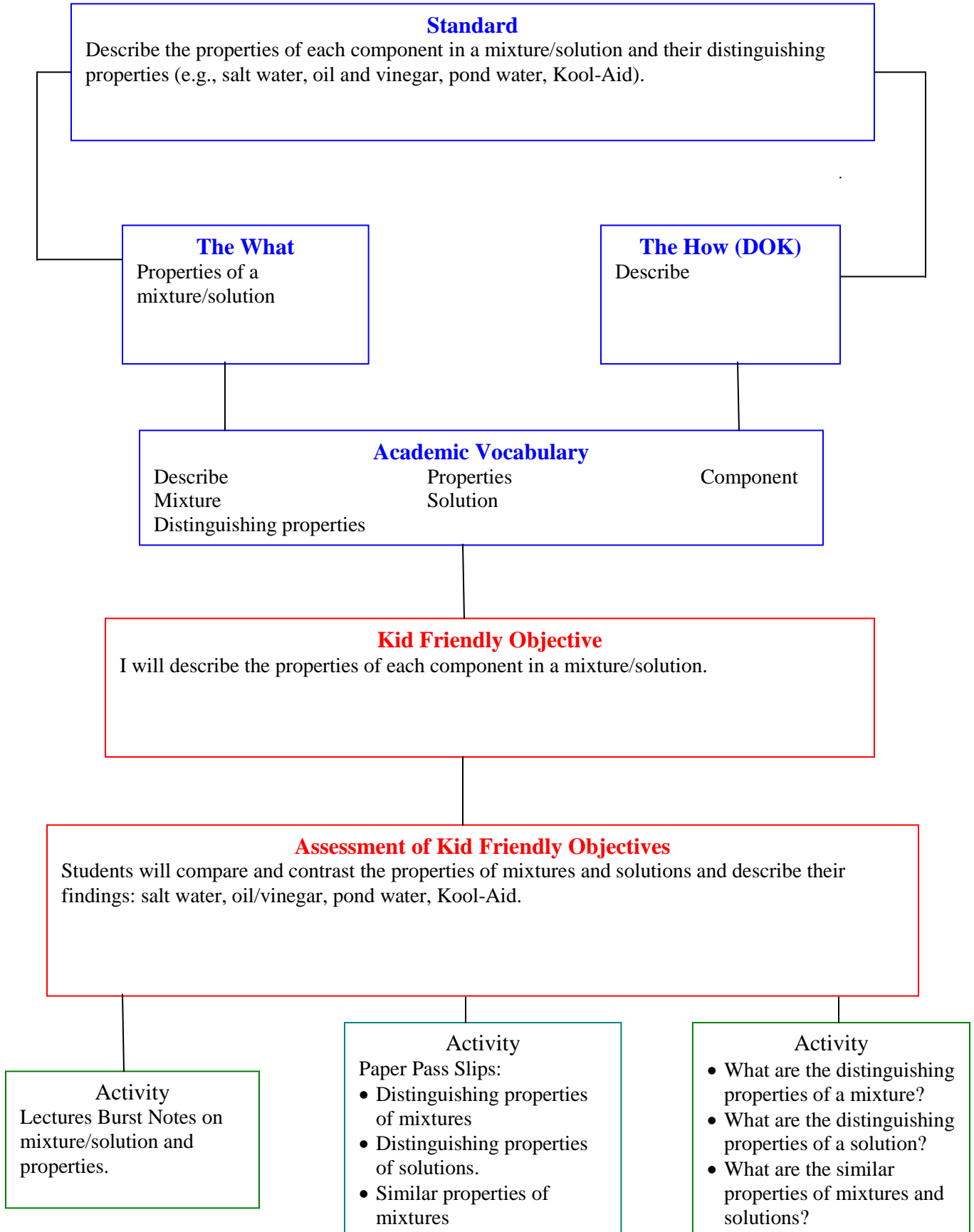
INSTRUCTIONAL DESIGN FRAMEWORK

ME1Ad



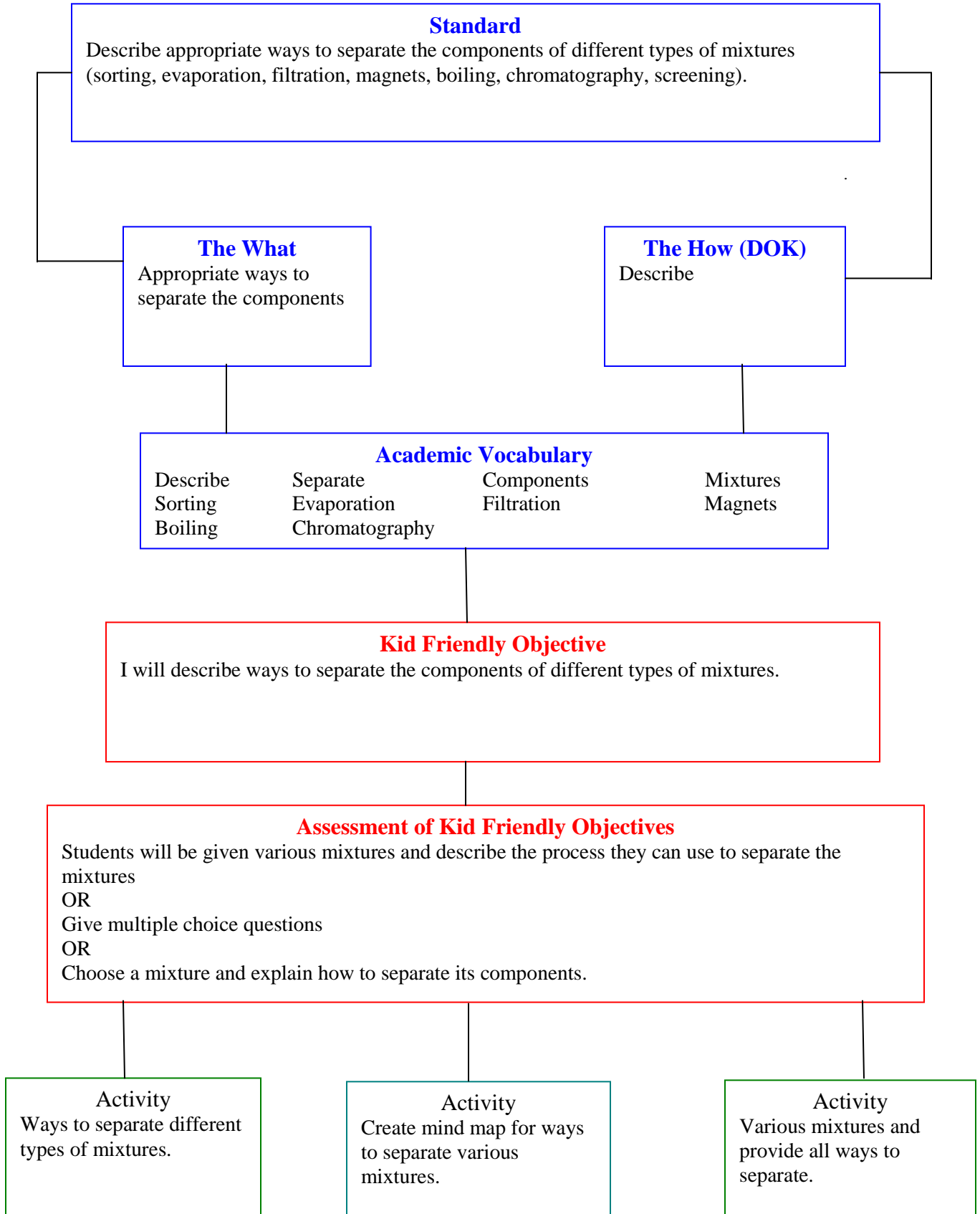
INSTRUCTIONAL DESIGN FRAMEWORK

ME1Ba



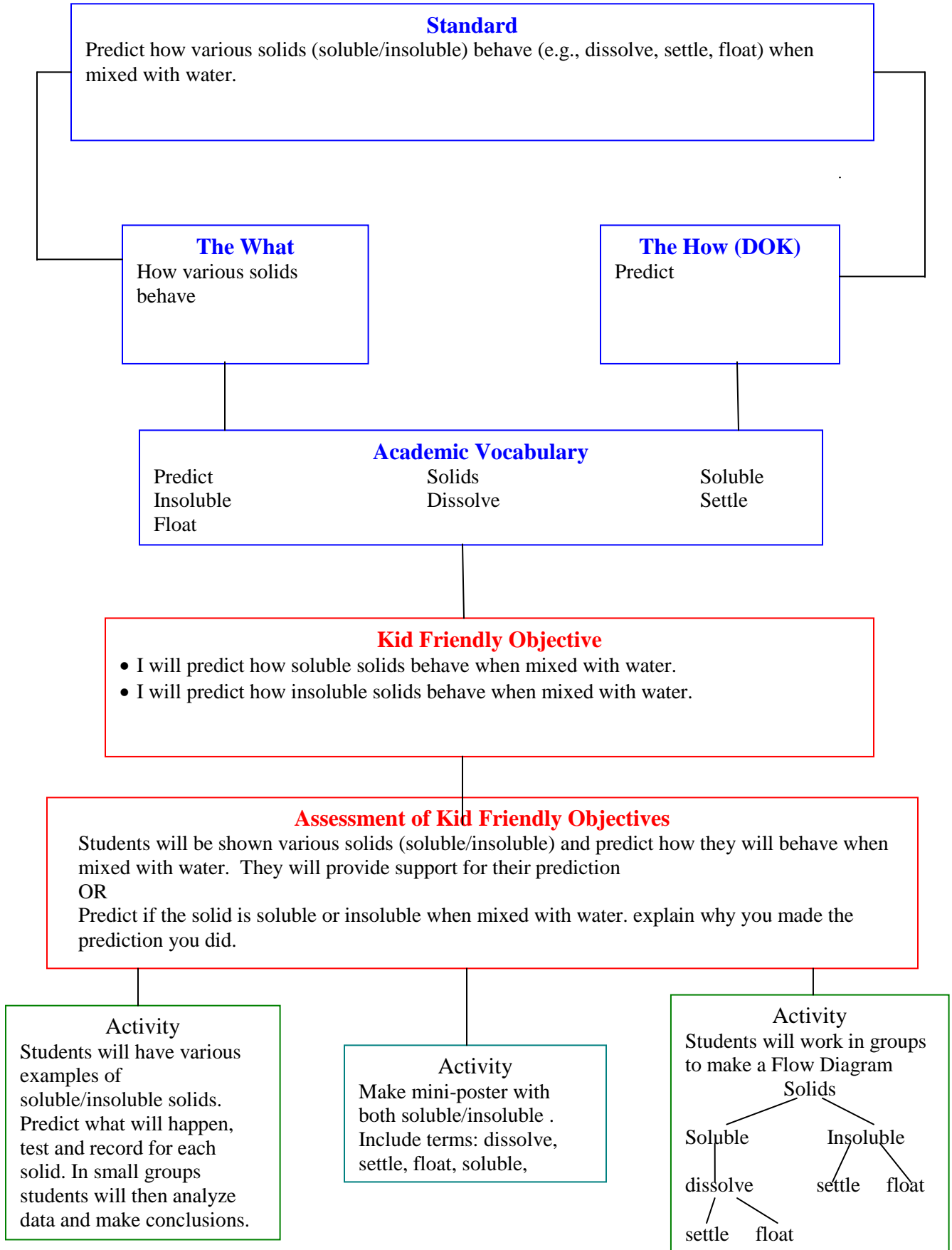
INSTRUCTIONAL DESIGN FRAMEWORK

ME1Bb



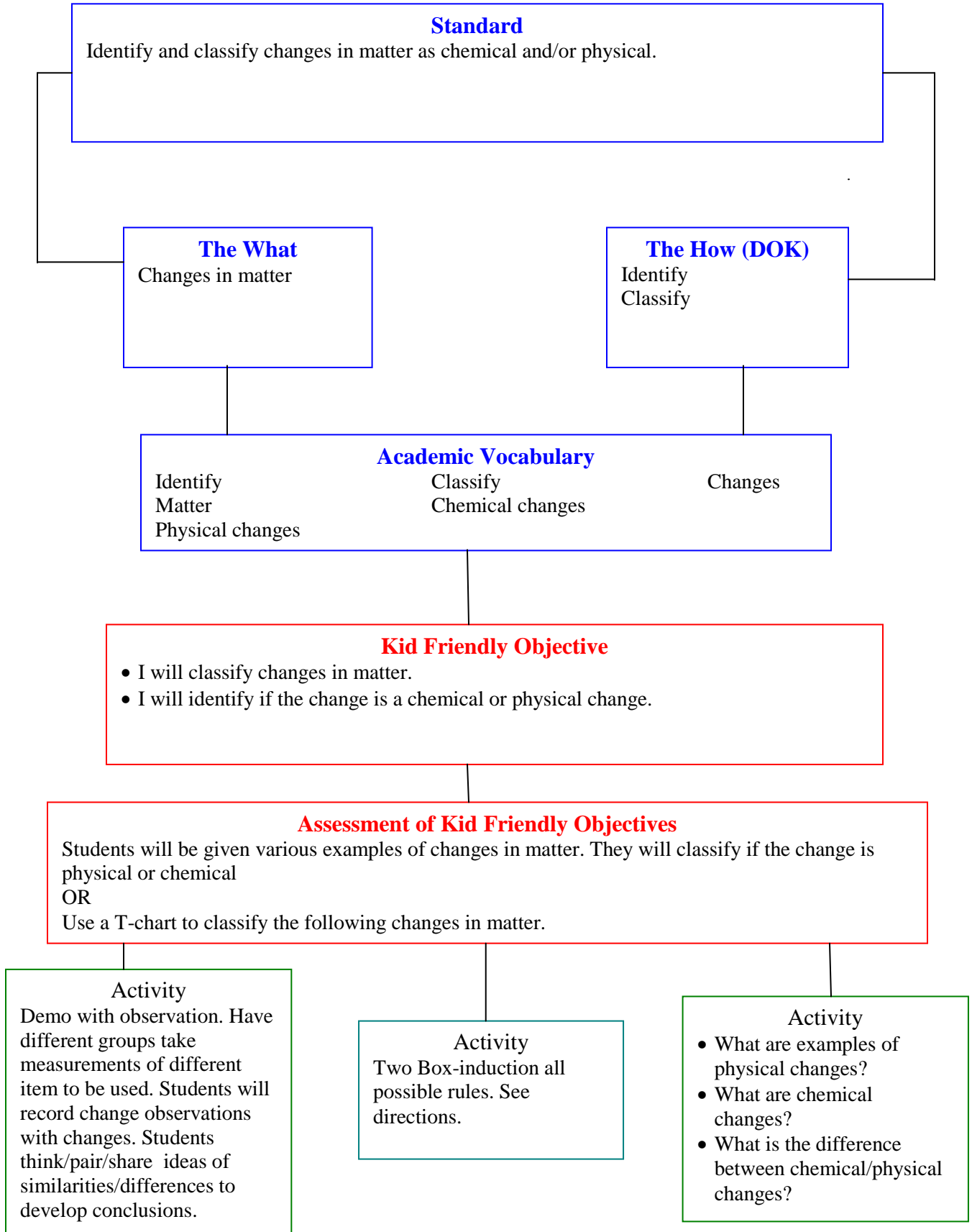
INSTRUCTIONAL DESIGN FRAMEWORK

ME1Bc



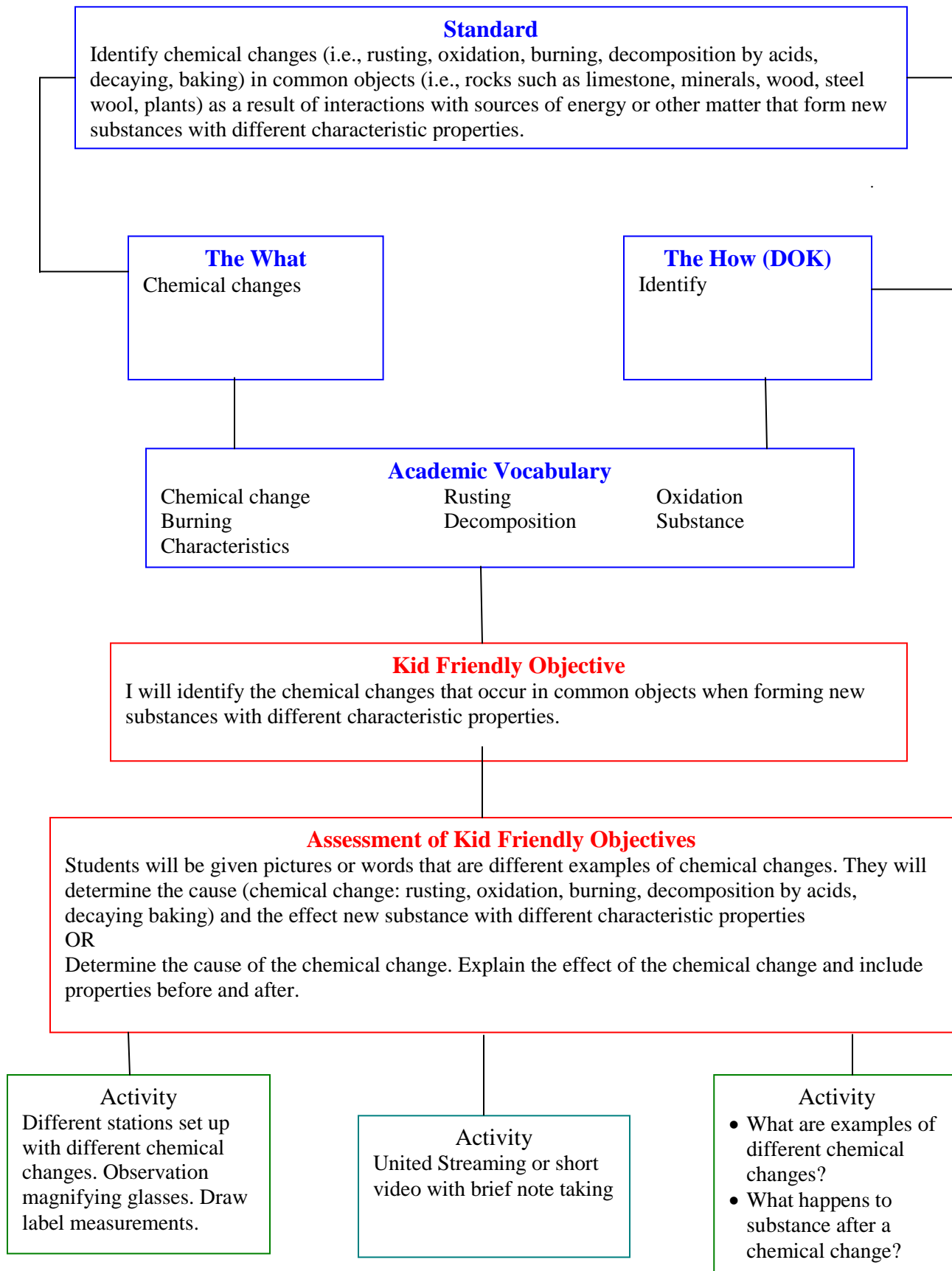
INSTRUCTIONAL DESIGN FRAMEWORK

ME1Ga



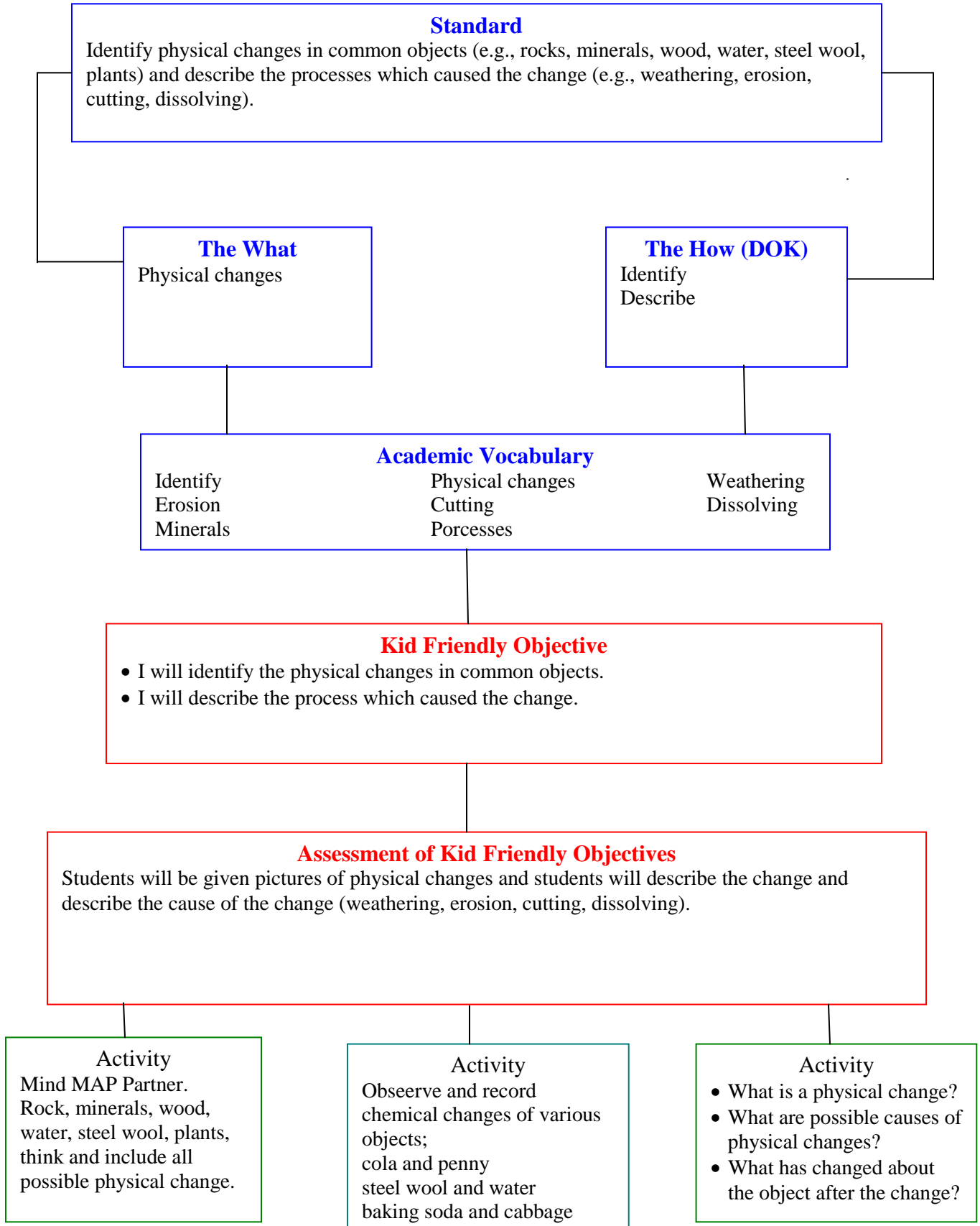
INSTRUCTIONAL DESIGN FRAMEWORK

ME1Gb



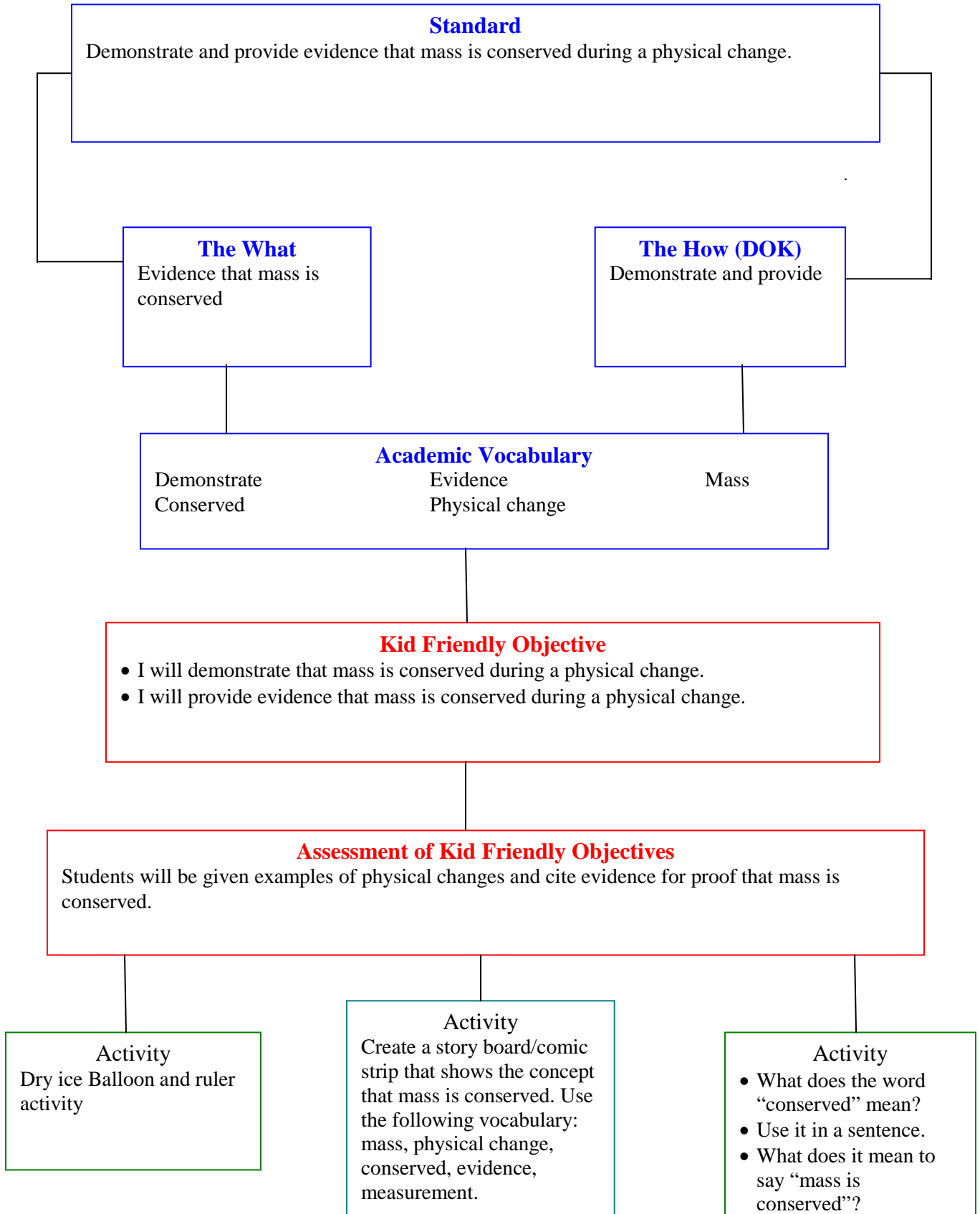
INSTRUCTIONAL DESIGN FRAMEWORK

ME1Gc



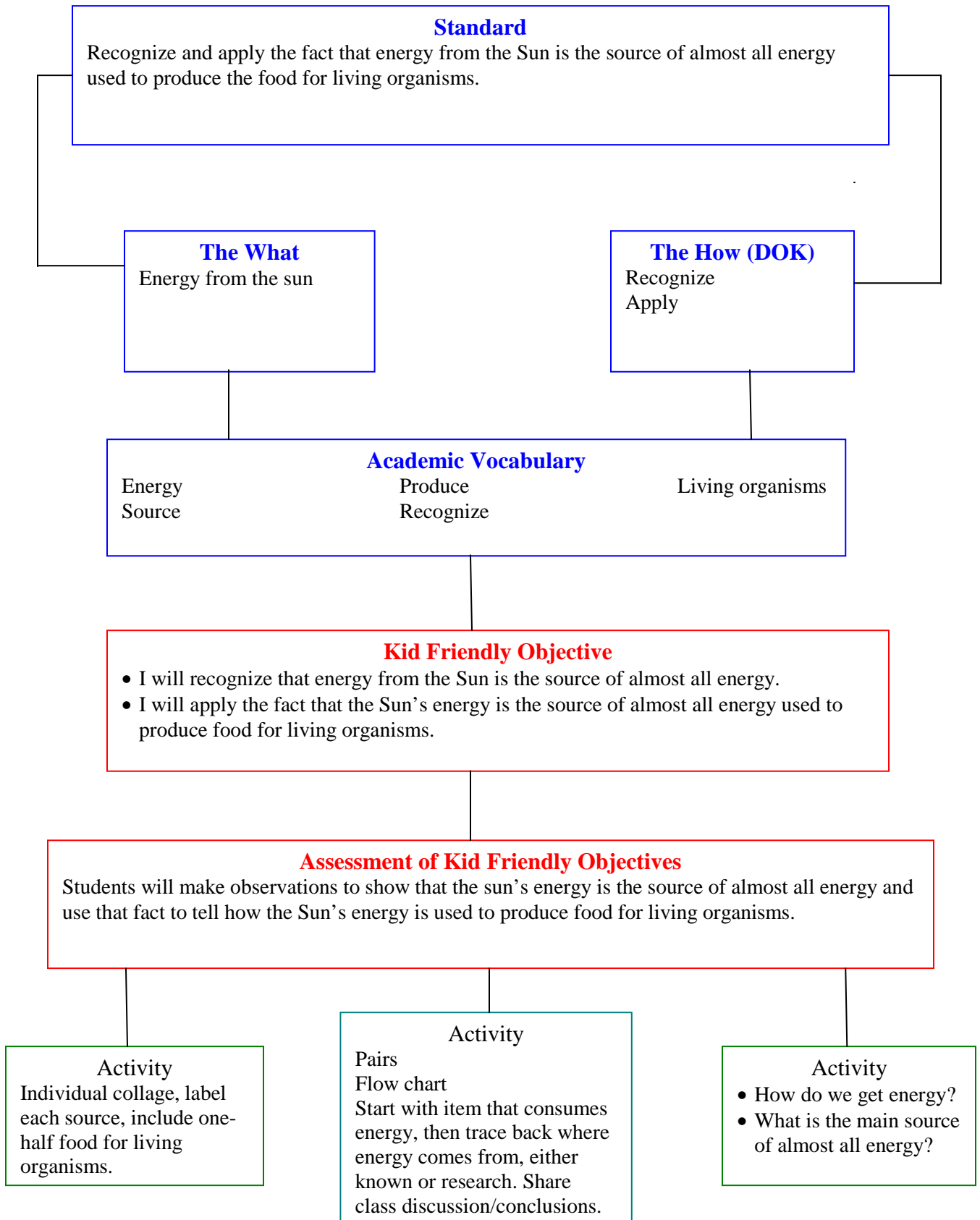
INSTRUCTIONAL DESIGN FRAMEWORK

ME11



INSTRUCTIONAL DESIGN FRAMEWORK

ME2Cb



INSTRUCTIONAL DESIGN FRAMEWORK

ME2Ca

Standard

Recognize and describe how energy from the Sun is transferred to Earth in a range of wavelengths and energy levels, including visible light, infrared radiation, and ultraviolet radiation.

The What

Energy transfer from Sun to Earth

The How (DOK)

Recognize
Describe

Academic Vocabulary

Energy Visible light	Transferred Infrared radiation	Wavelengths Ultraviolet radiation
-------------------------	-----------------------------------	--------------------------------------

Kid Friendly Objective

- I will recognize the Sun’s energy is transferred to Earth in a range of wavelengths and energy levels.
- I will describe how energy from the Sun is transferred to Earth

Assessment of Kid Friendly Objectives

- Students will draw how the Sun’s energy transfers to Earth including a range of wavelengths and energy levels, include visible light, infrared radiation, and ultraviolet radiation. Students will include a caption that describes their picture.

Activity

Small Group concept attainment. Show different examples. Give different parts of wavelength have them put them together how they think they should go. Include labels to put with energy levels. Include pictures of examples.

Activity

Powerpoint/Notebook include ten slides showing information about both objectives

Activity

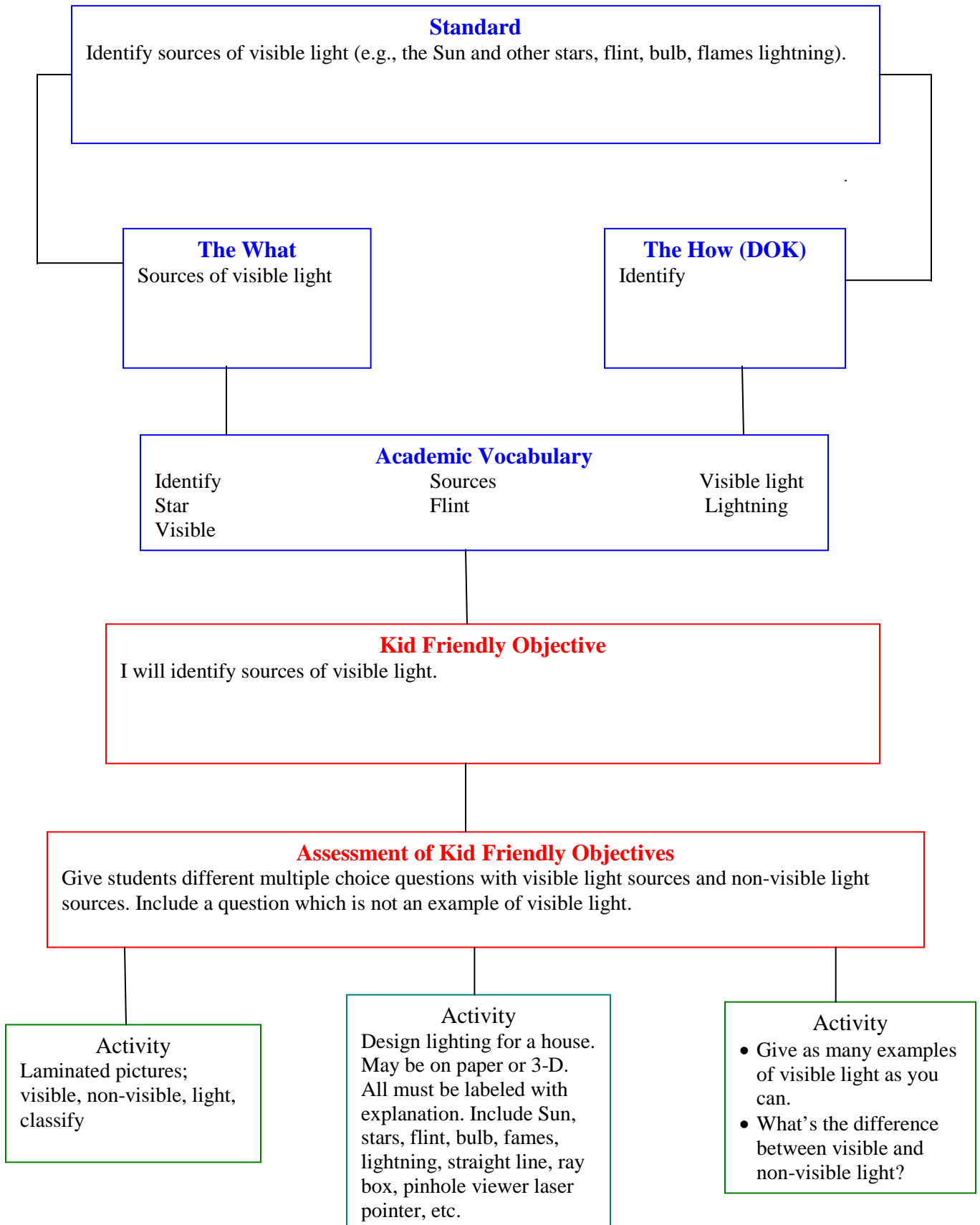
- How does the Sun’s energy reach the Earth?
- What is visible light?

Activity

You are a science text illustrator. You need to draw a diagram that shows how the Sun’s energy is transferred to Earth. Include wavelengths and energy levels, visible light, infrared, radiation and ultraviolet radiation. Include a caption that describes the diagram.

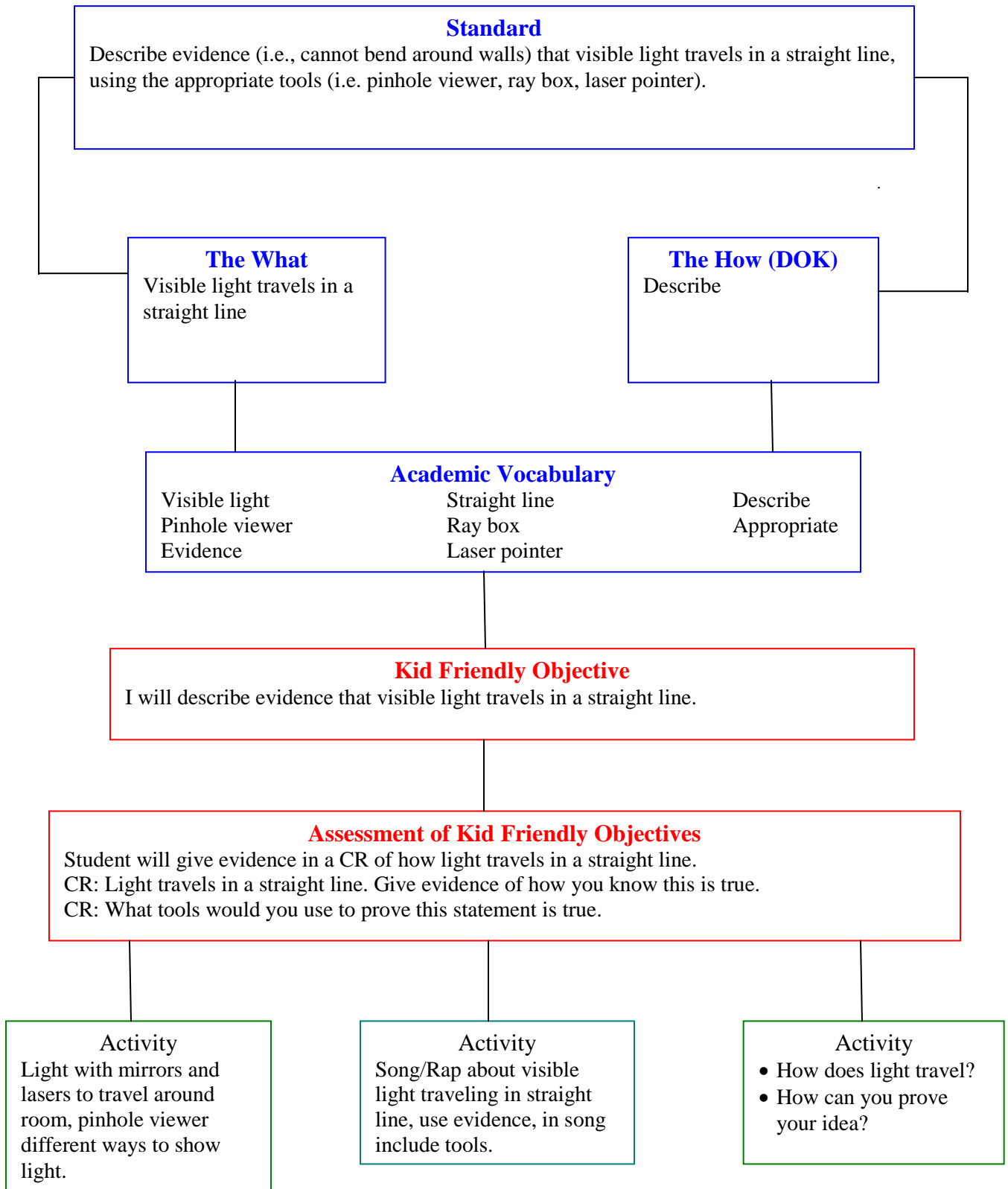
INSTRUCTIONAL DESIGN FRAMEWORK

ME2Aa



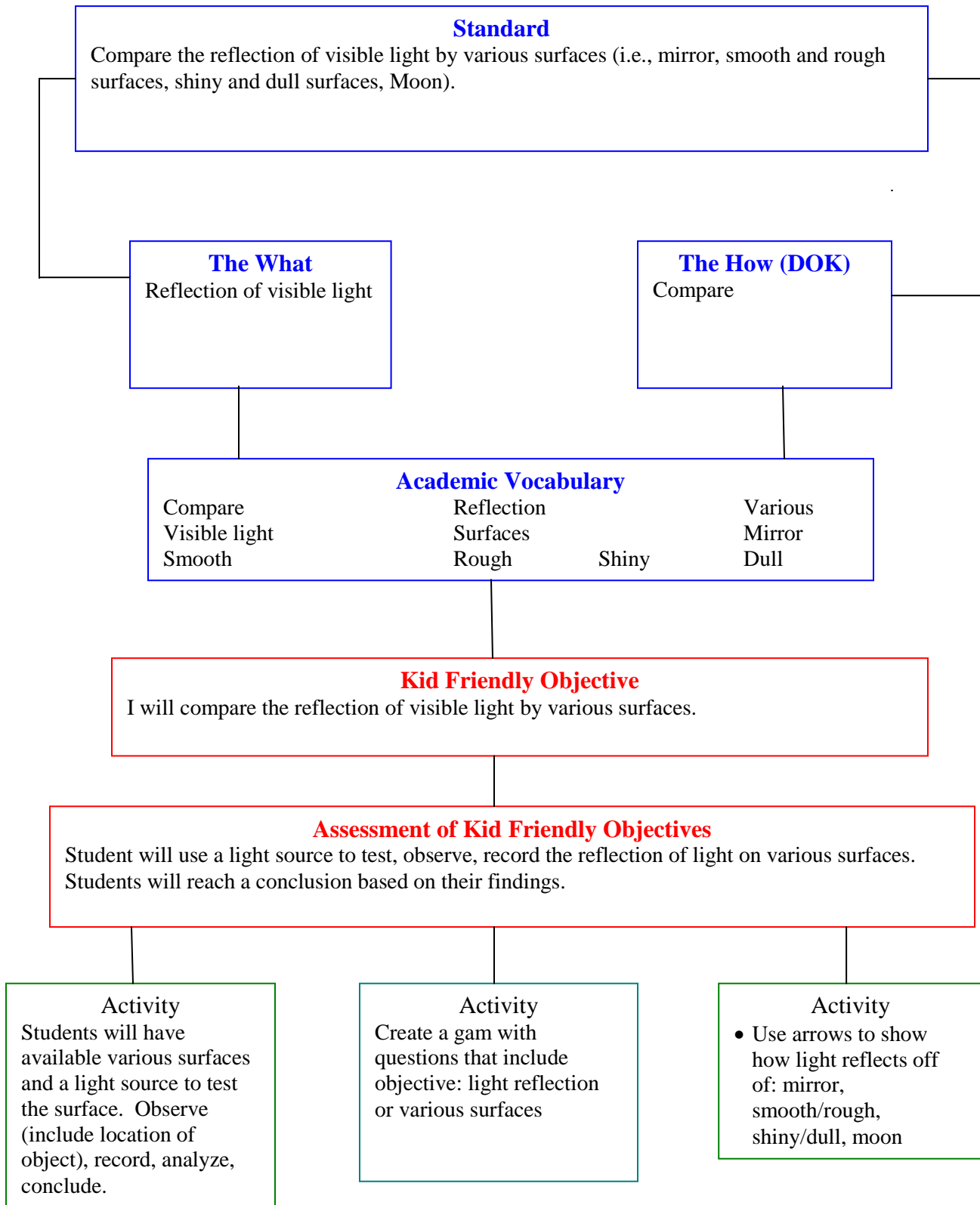
INSTRUCTIONAL DESIGN FRAMEWORK

ME2Ab



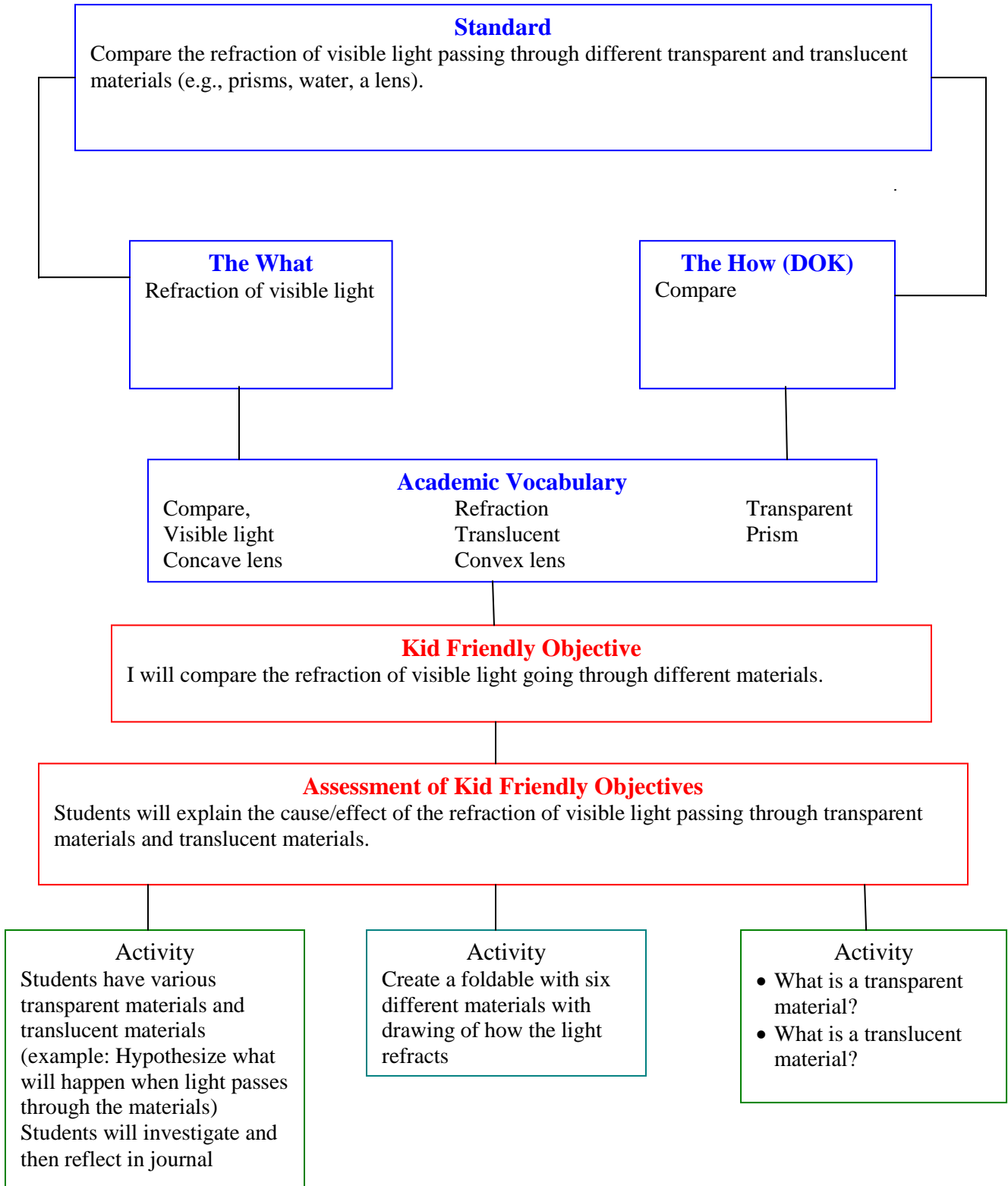
INSTRUCTIONAL DESIGN FRAMEWORK

ME2Ac



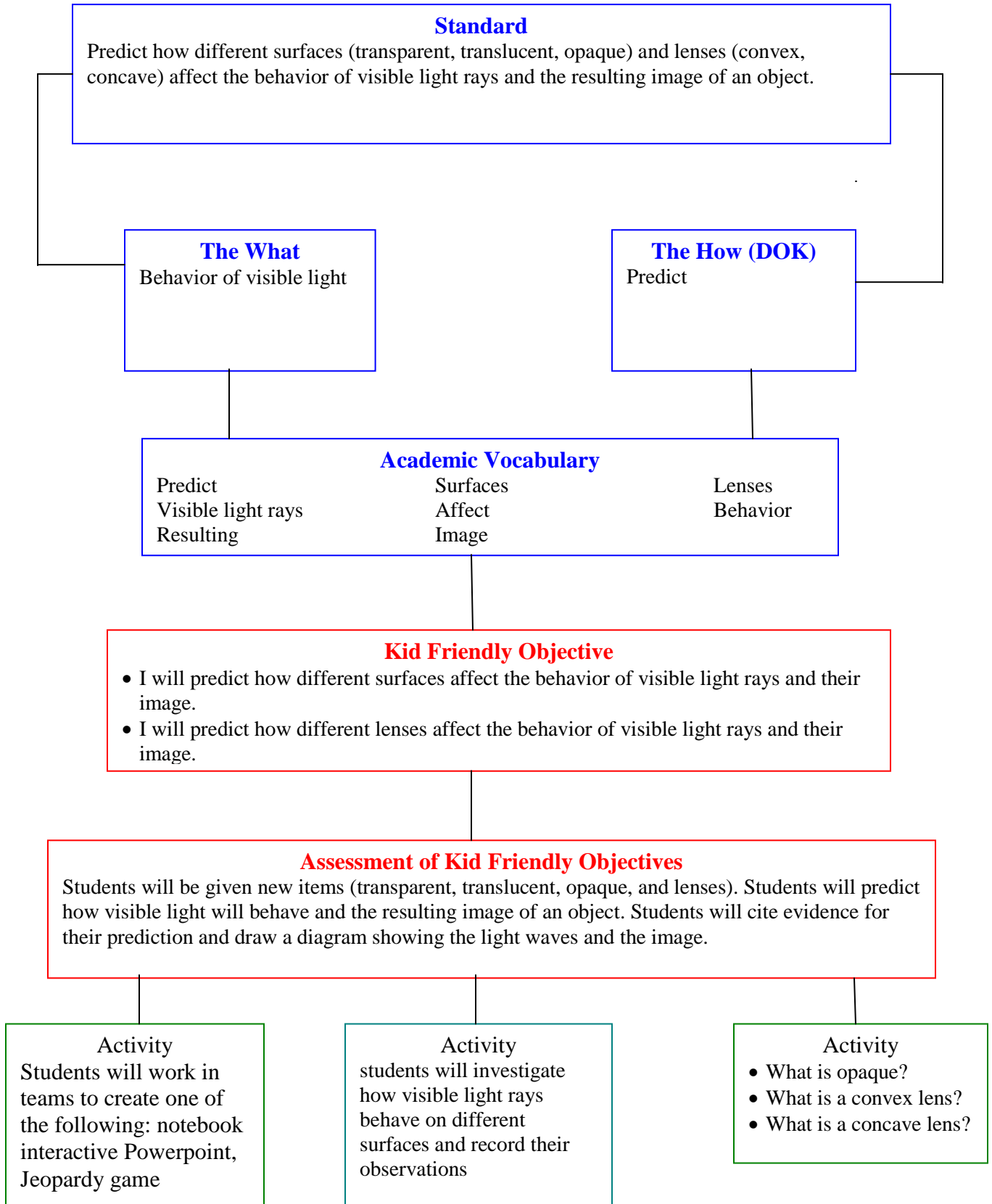
INSTRUCTIONAL DESIGN FRAMEWORK

ME2Ad



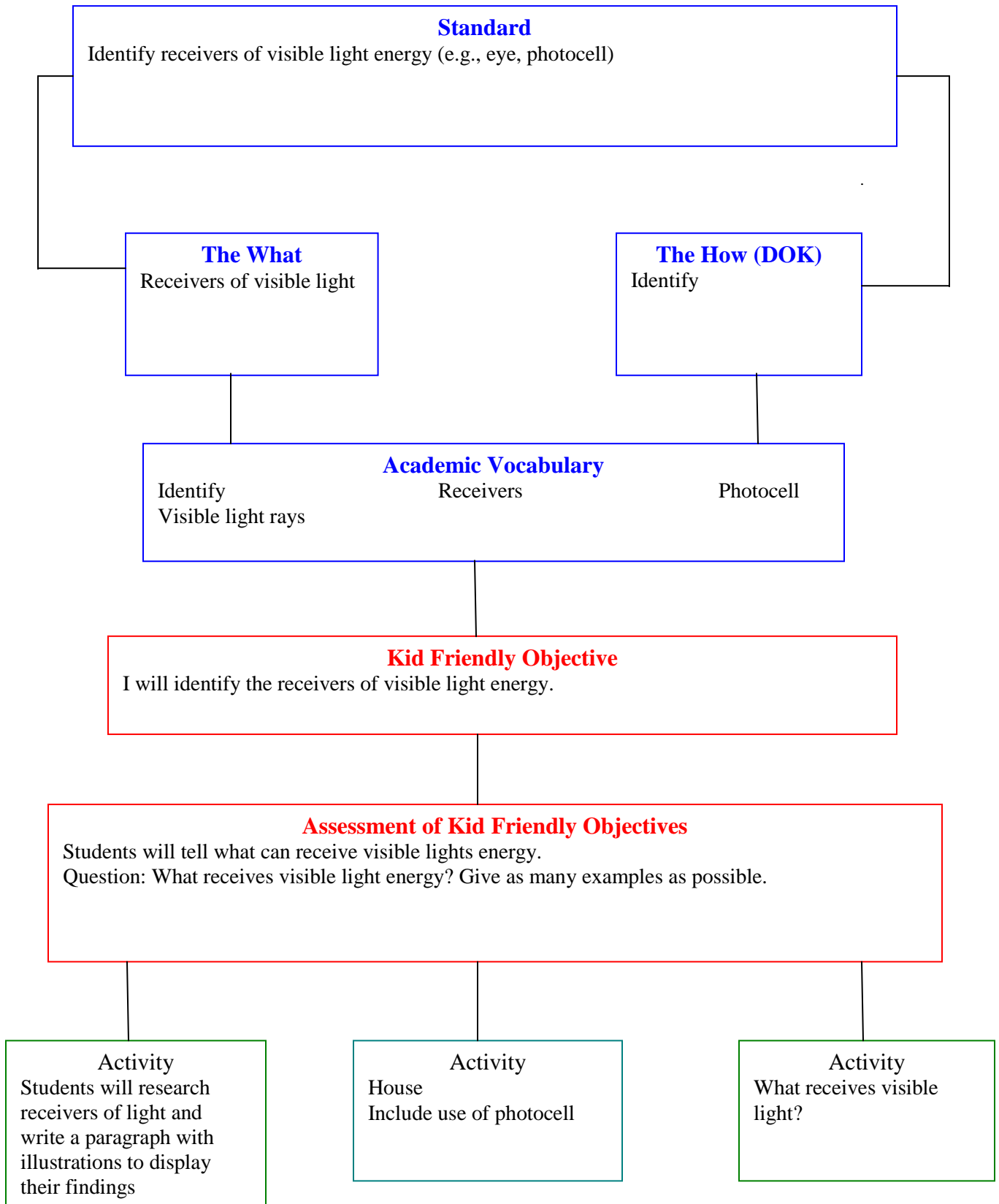
INSTRUCTIONAL DESIGN FRAMEWORK

ME2Ae

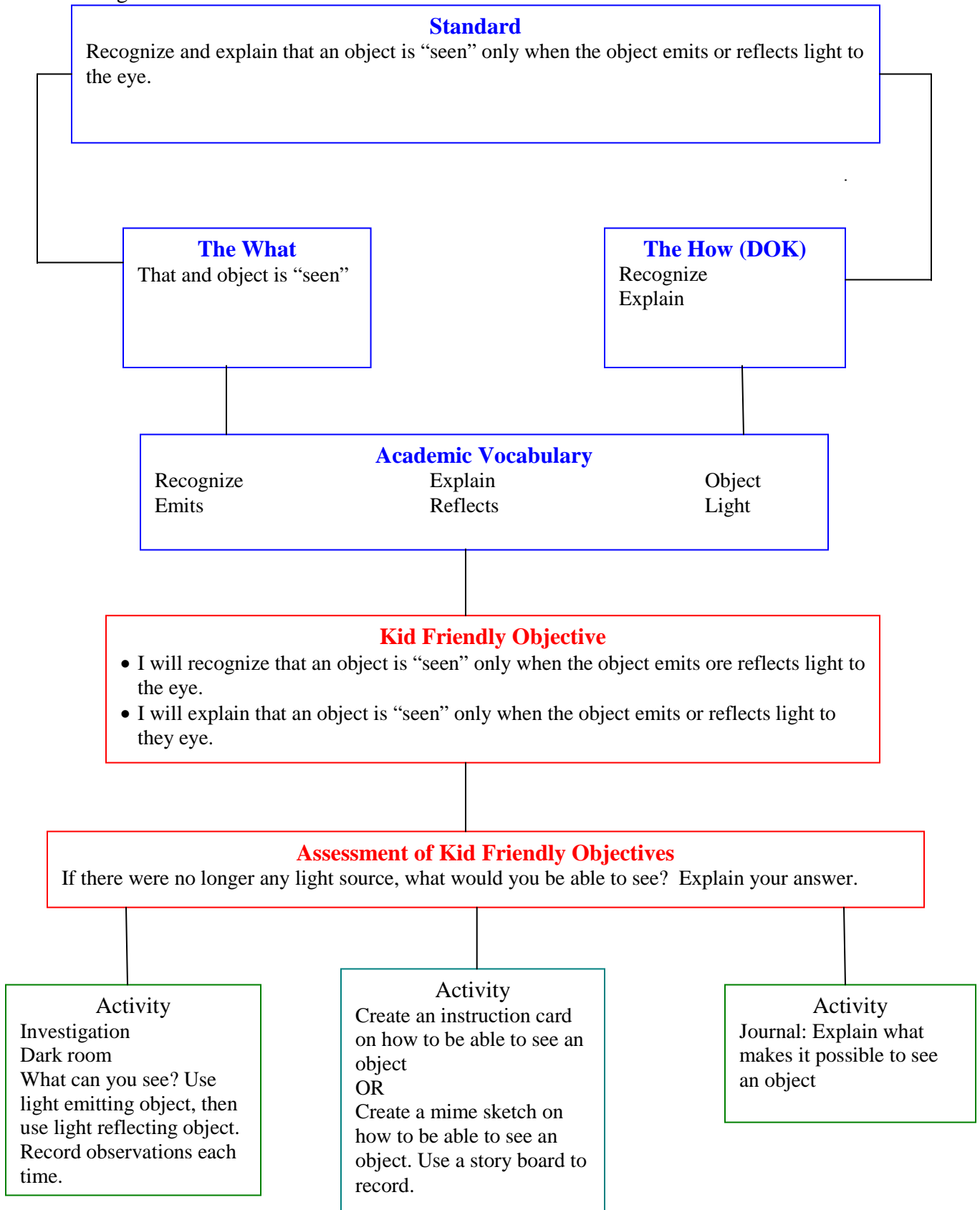


INSTRUCTIONAL DESIGN FRAMEWORK

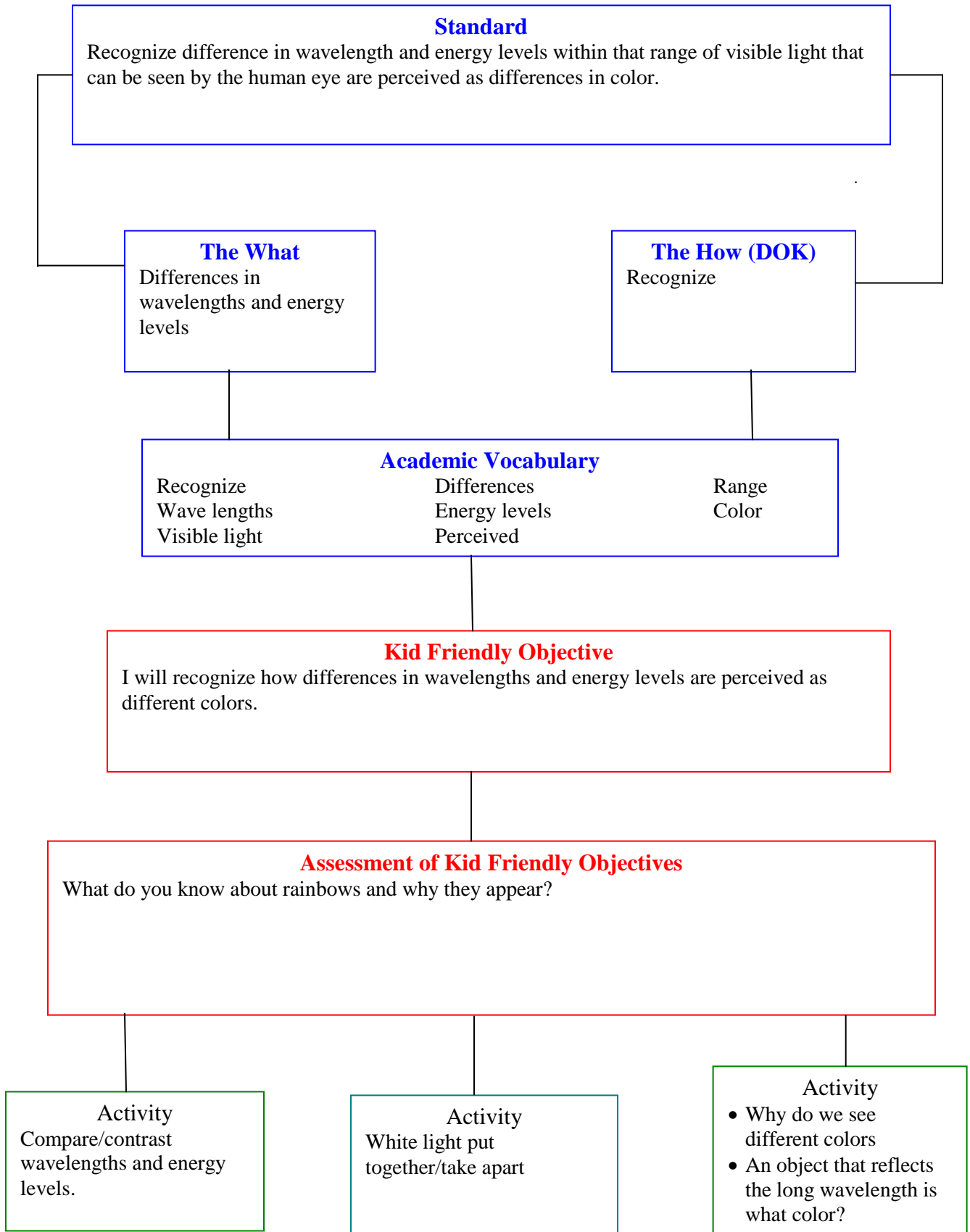
ME2Af



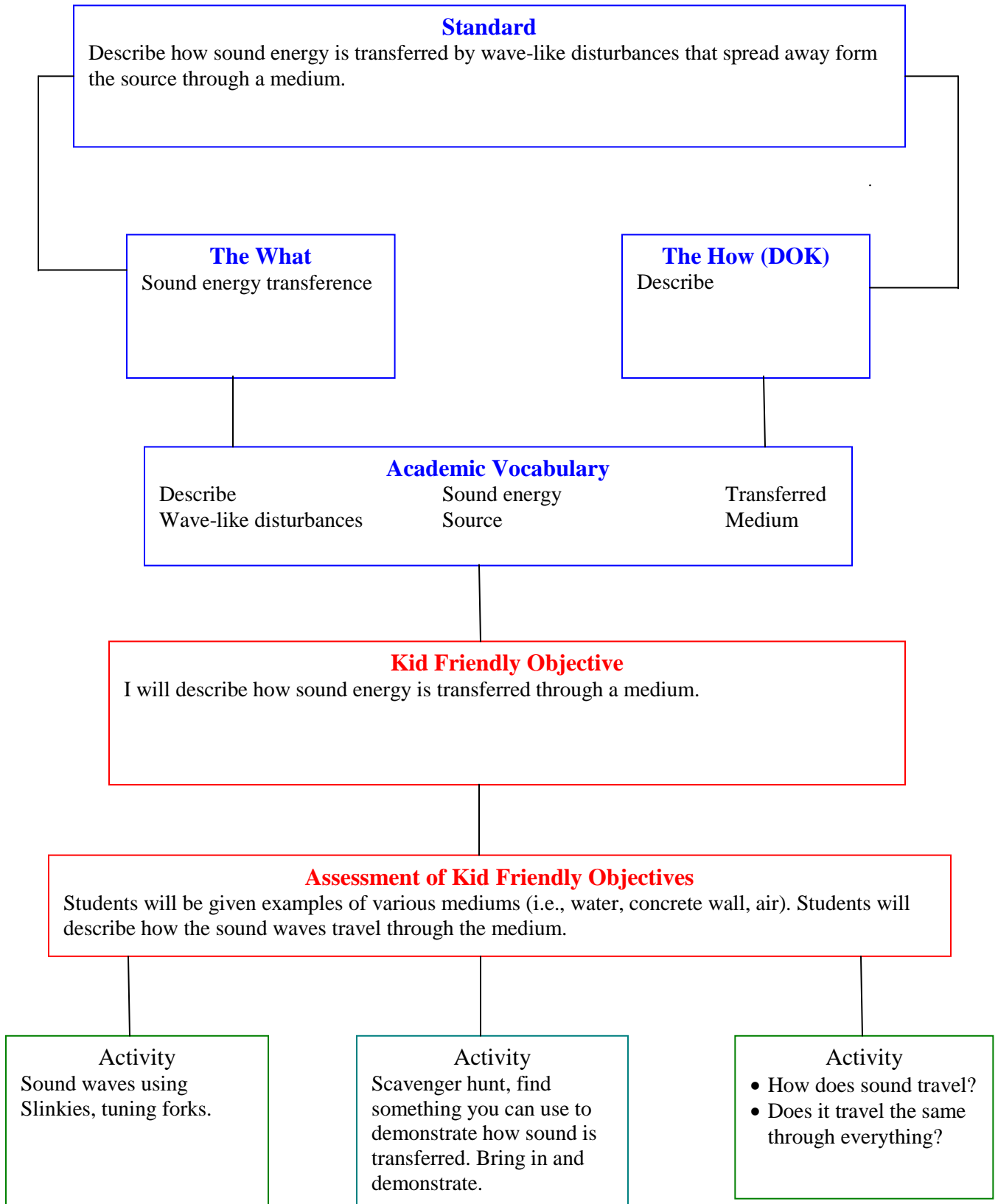
INSTRUCTIONAL DESIGN FRAMEWORK



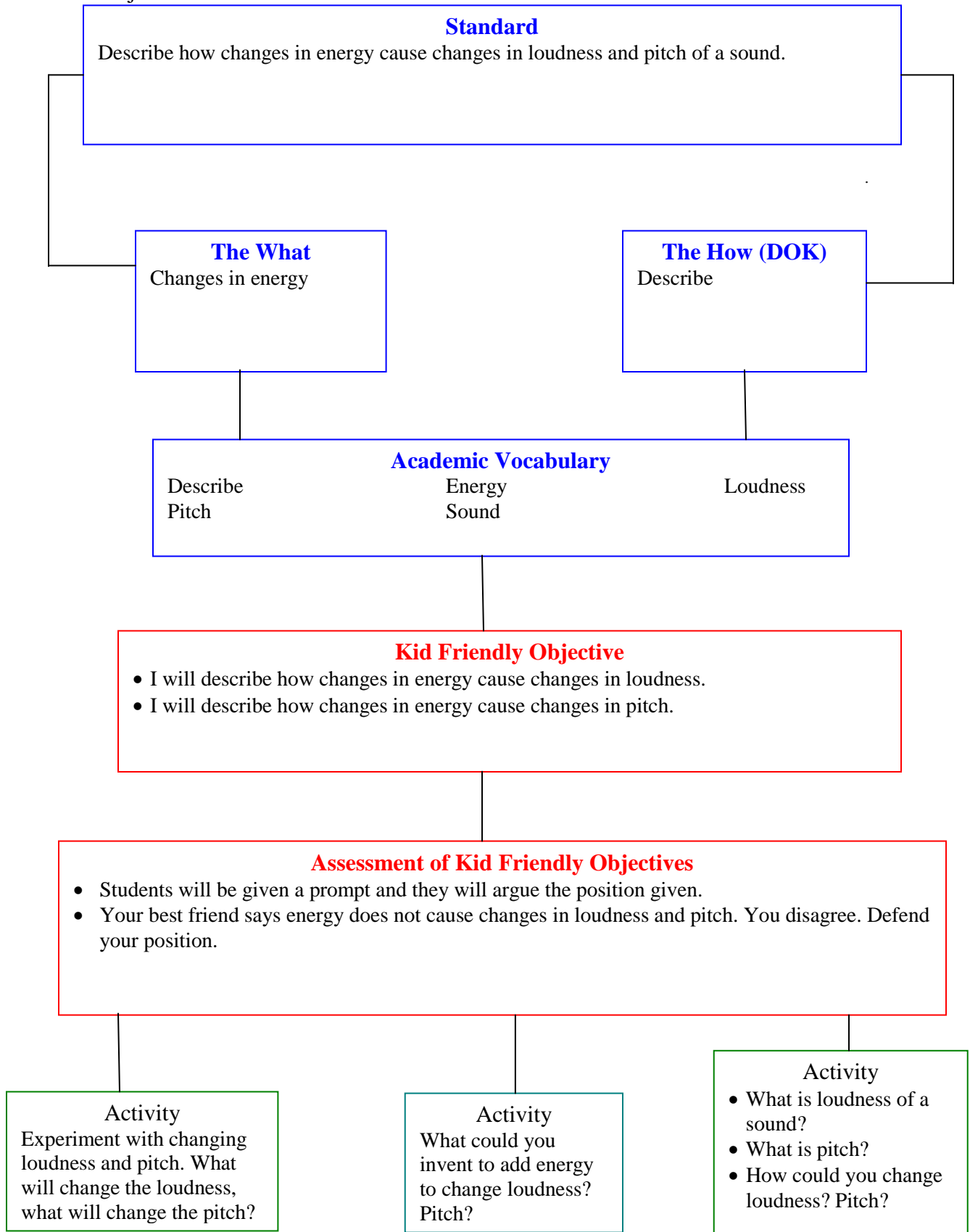
INSTRUCTIONAL DESIGN FRAMEWORK



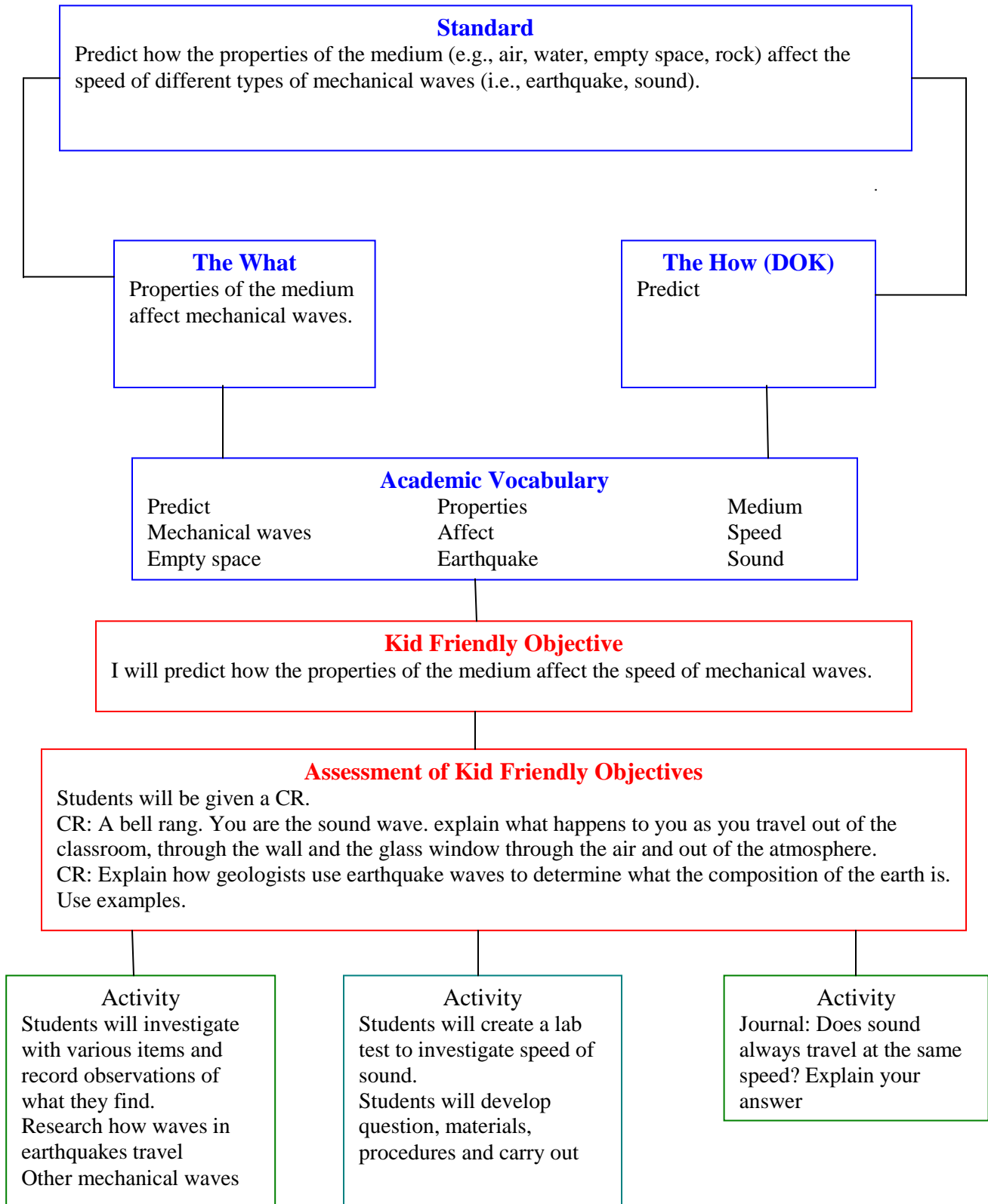
INSTRUCTIONAL DESIGN FRAMEWORK



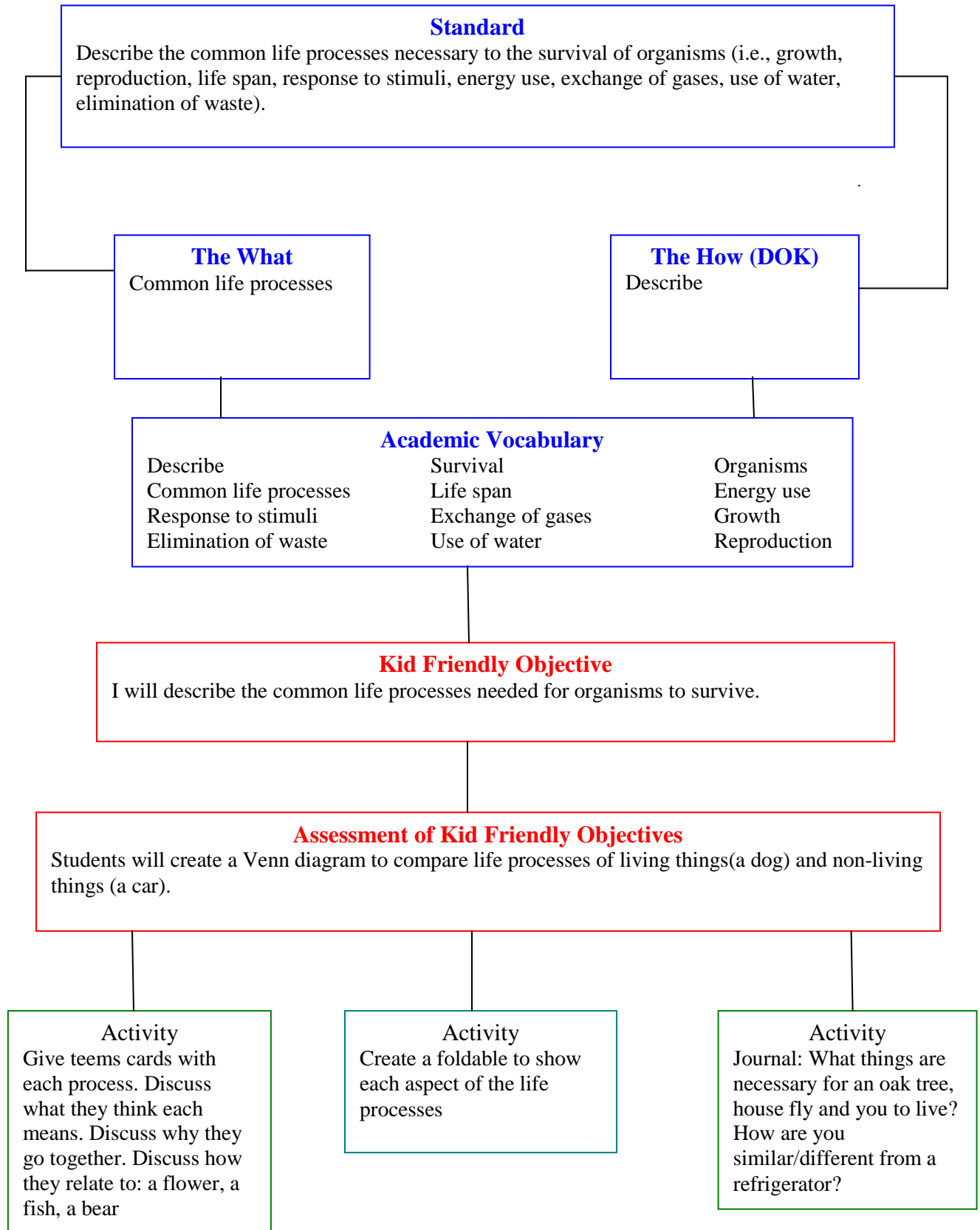
INSTRUCTIONAL DESIGN FRAMEWORK



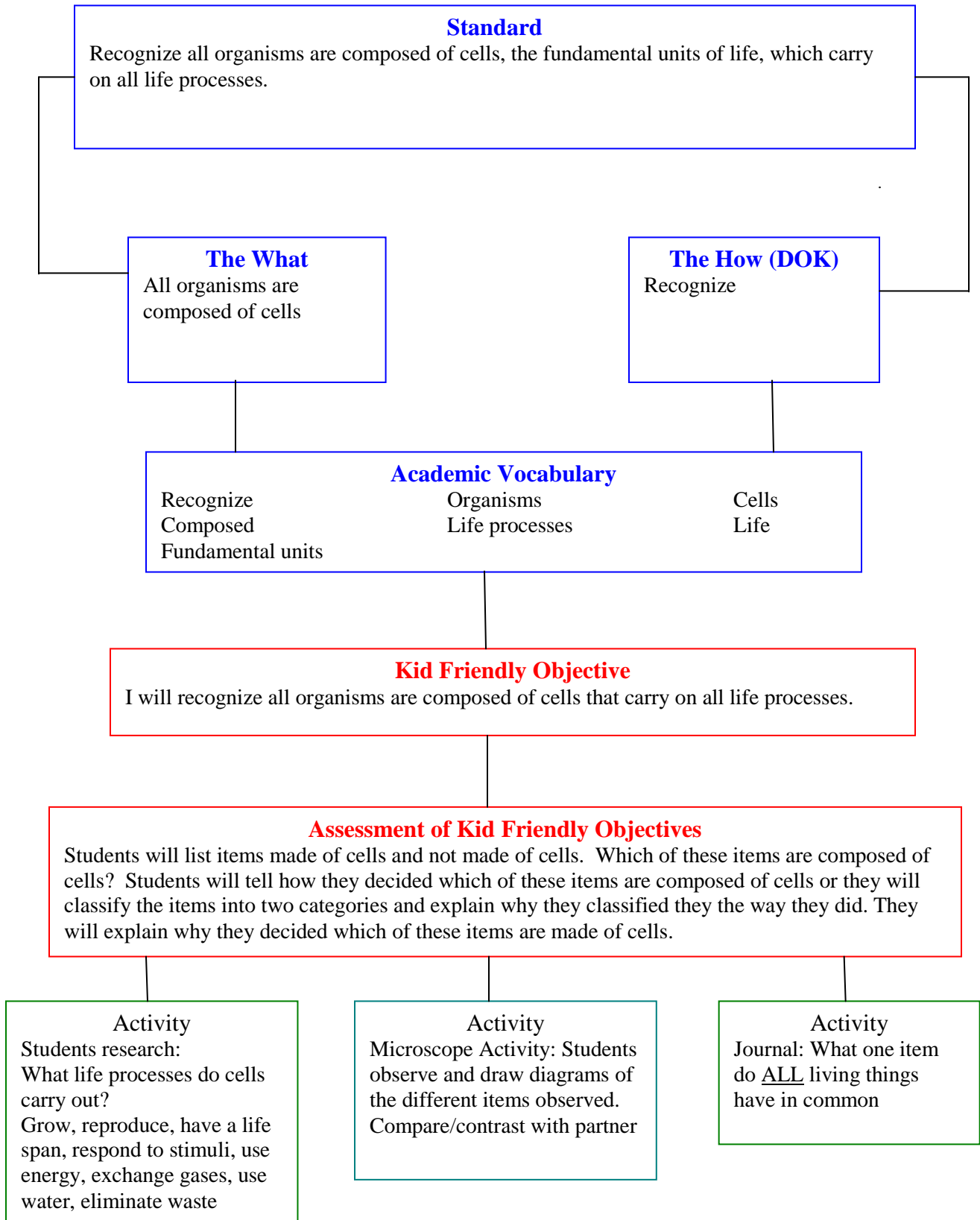
INSTRUCTIONAL DESIGN FRAMEWORK



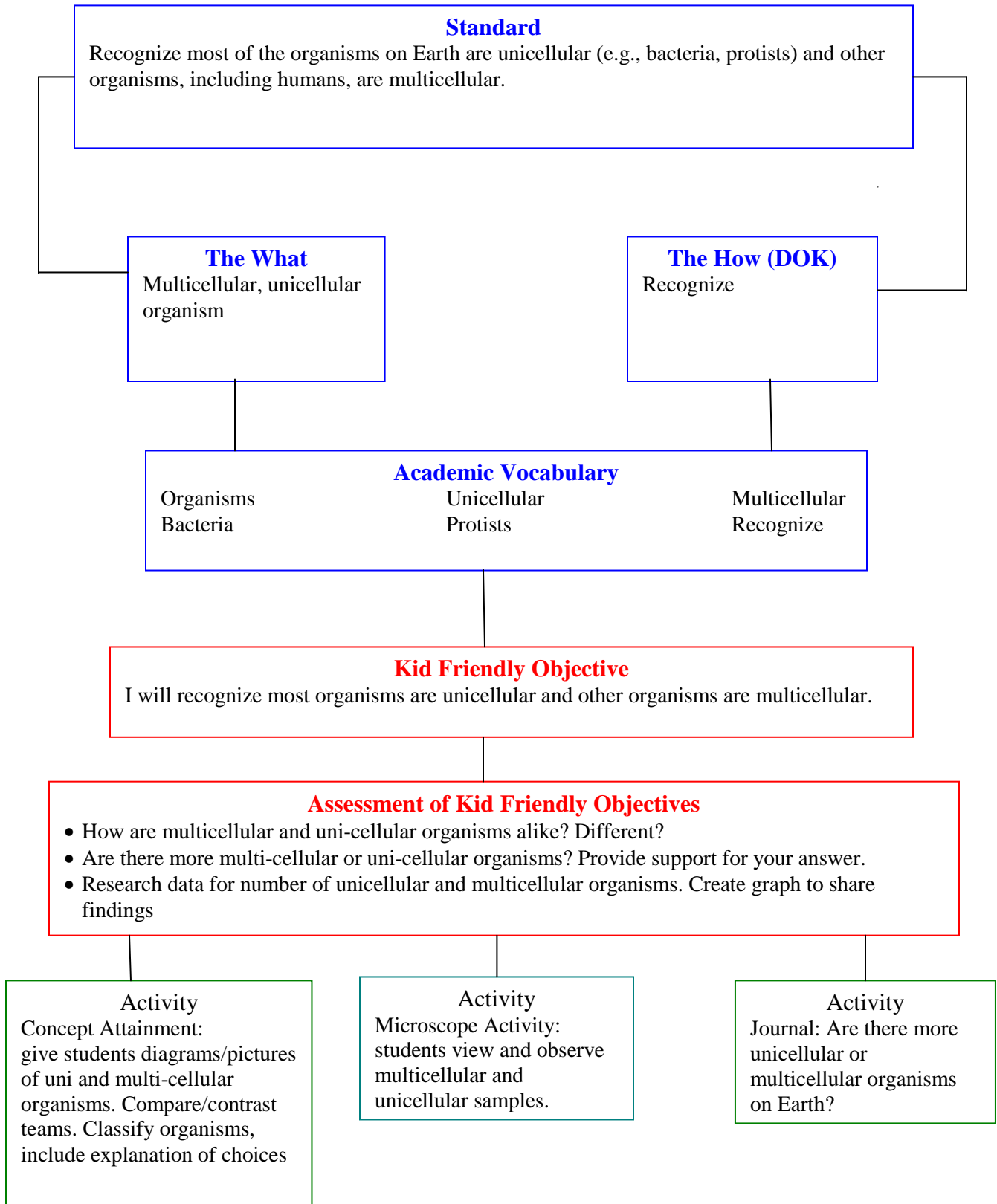
INSTRUCTIONAL DESIGN FRAMEWORK



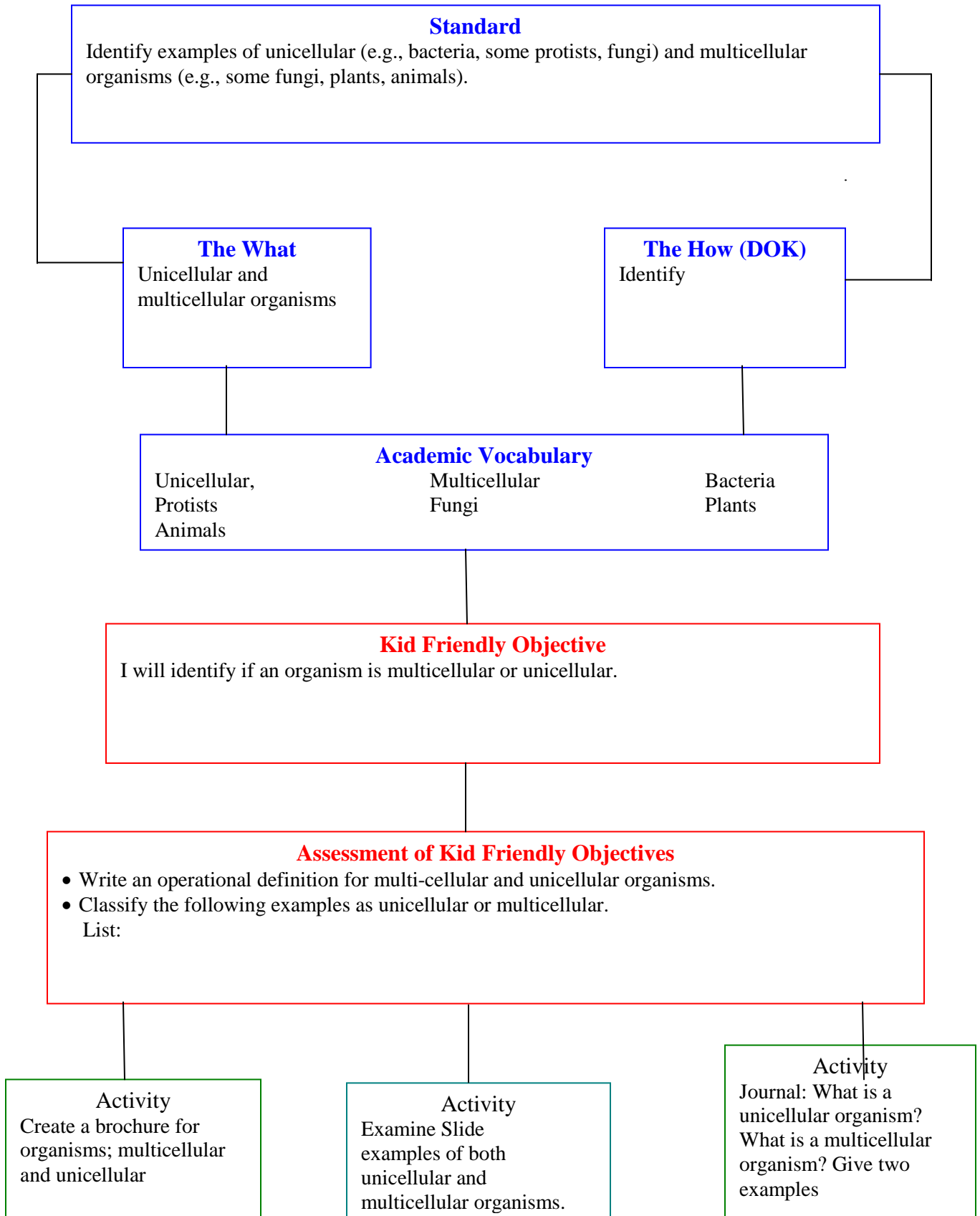
INSTRUCTIONAL DESIGN FRAMEWORK



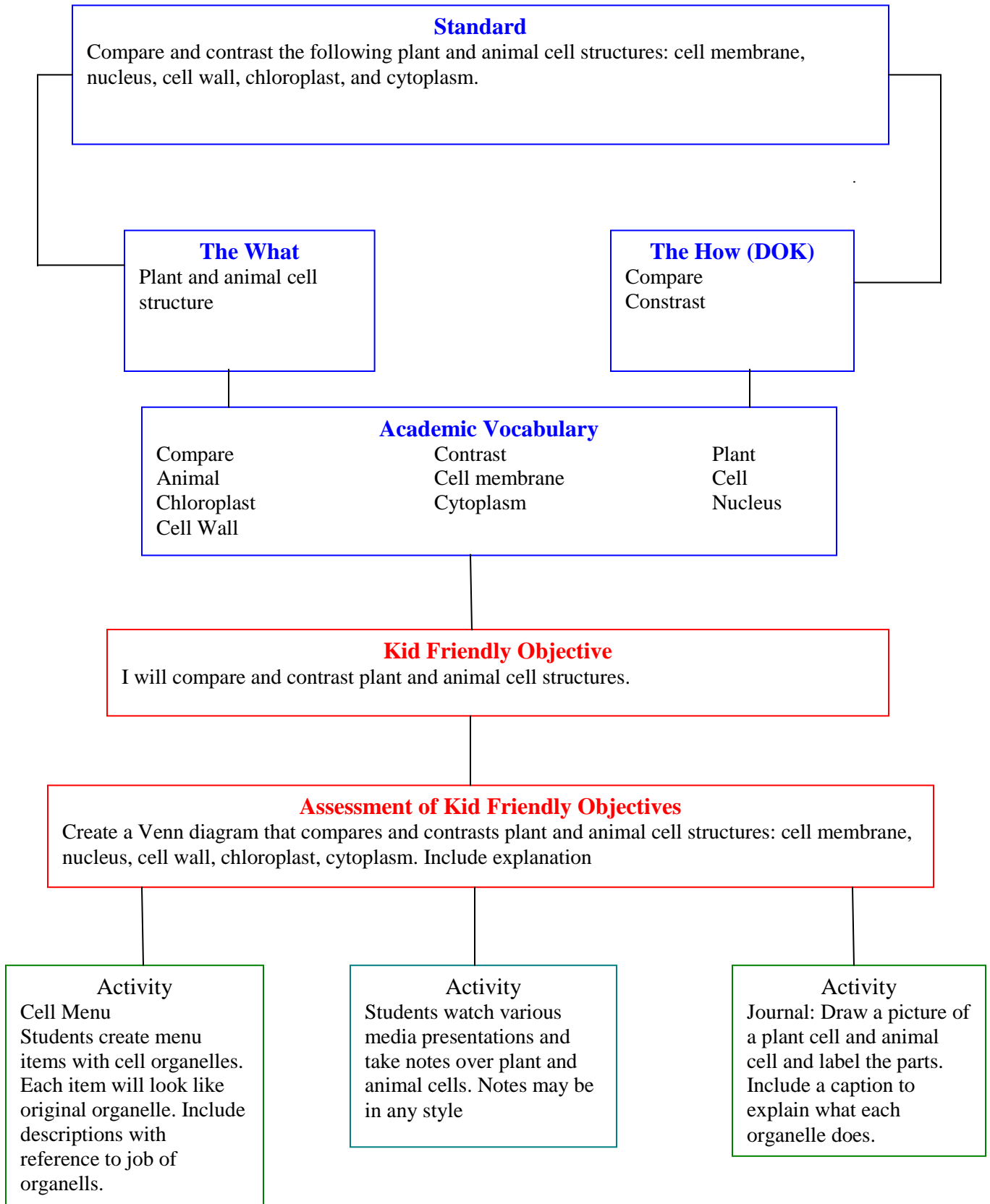
INSTRUCTIONAL DESIGN FRAMEWORK



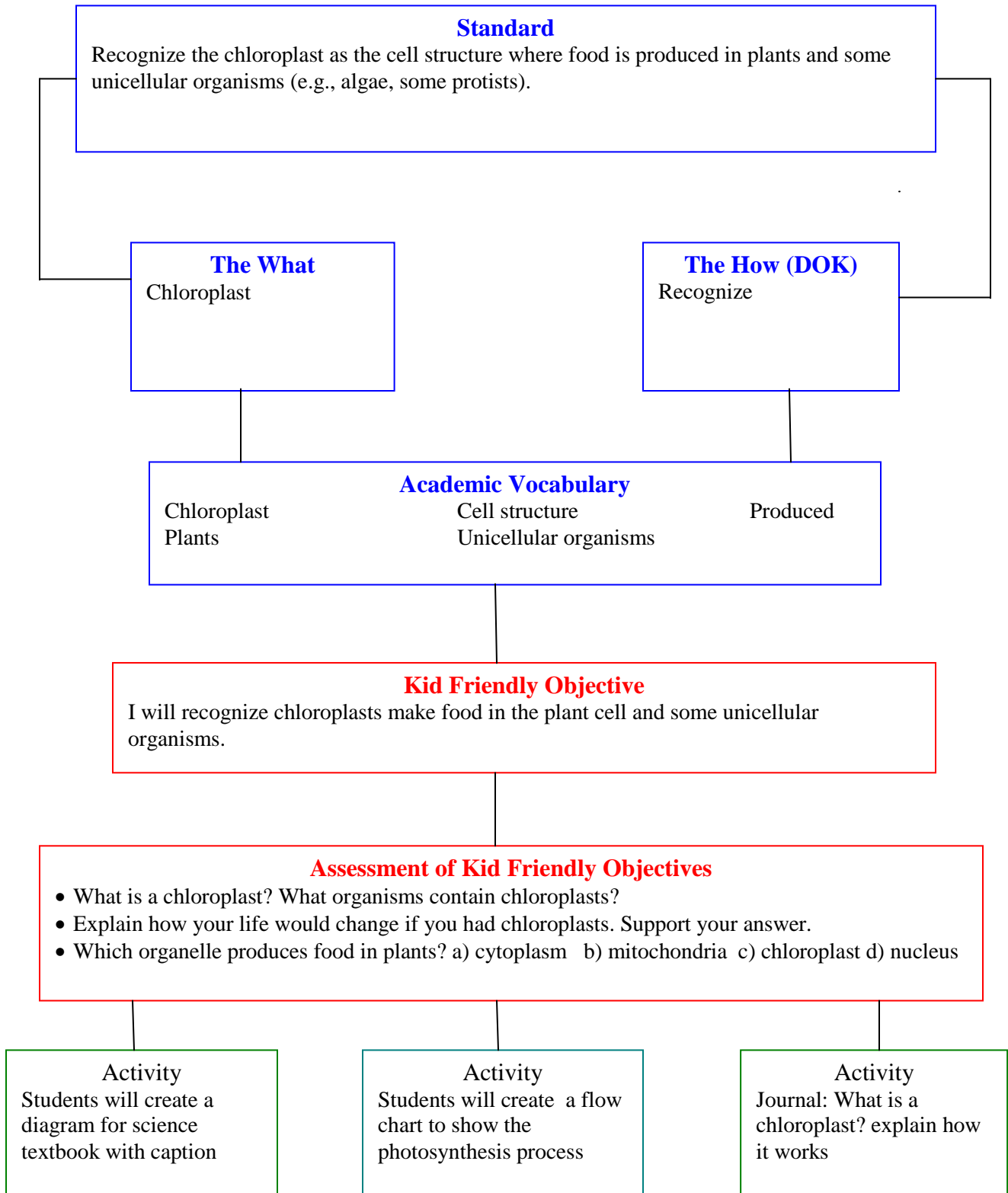
INSTRUCTIONAL DESIGN FRAMEWORK



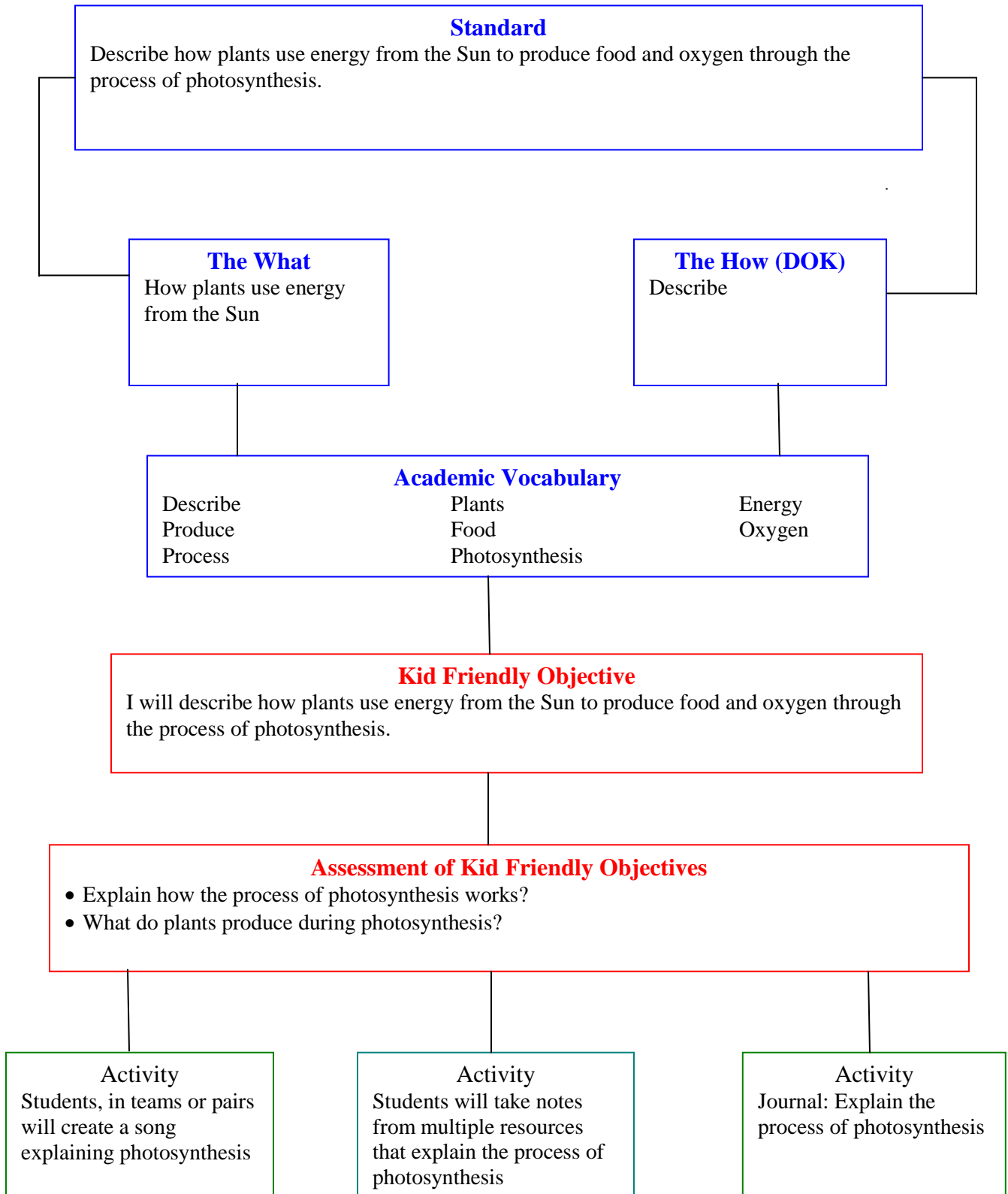
INSTRUCTIONAL DESIGN FRAMEWORK



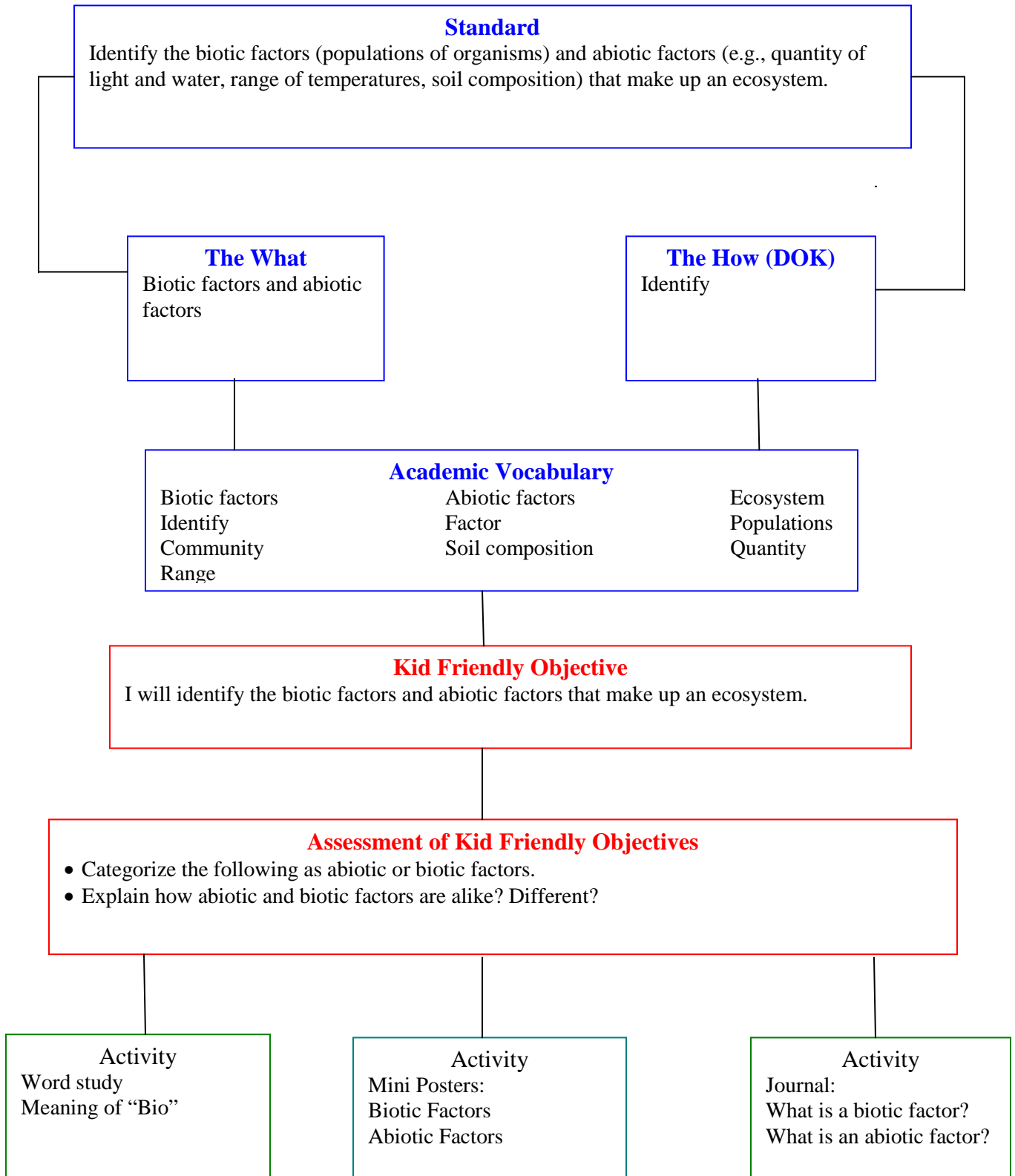
INSTRUCTIONAL DESIGN FRAMEWORK



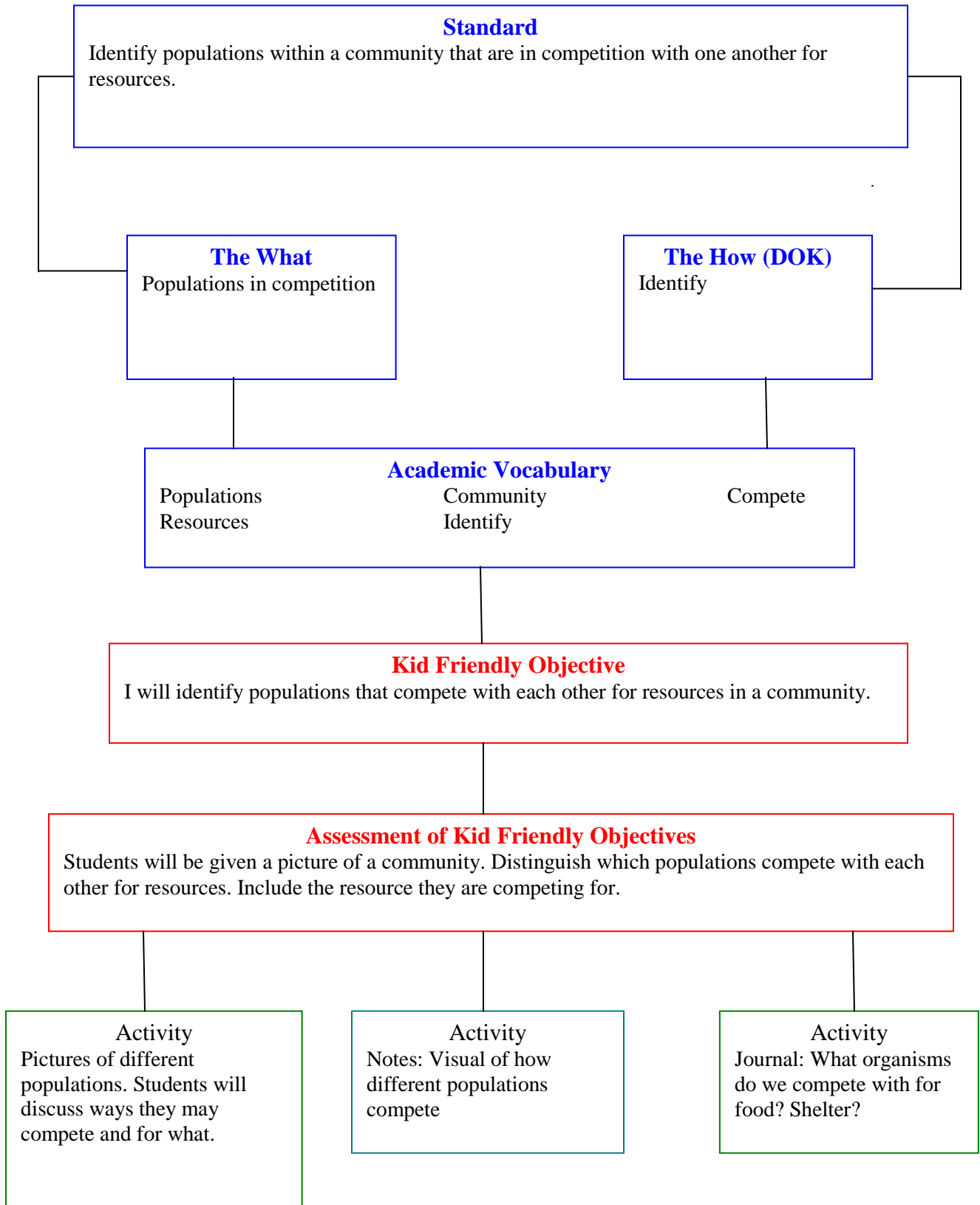
INSTRUCTIONAL DESIGN FRAMEWORK



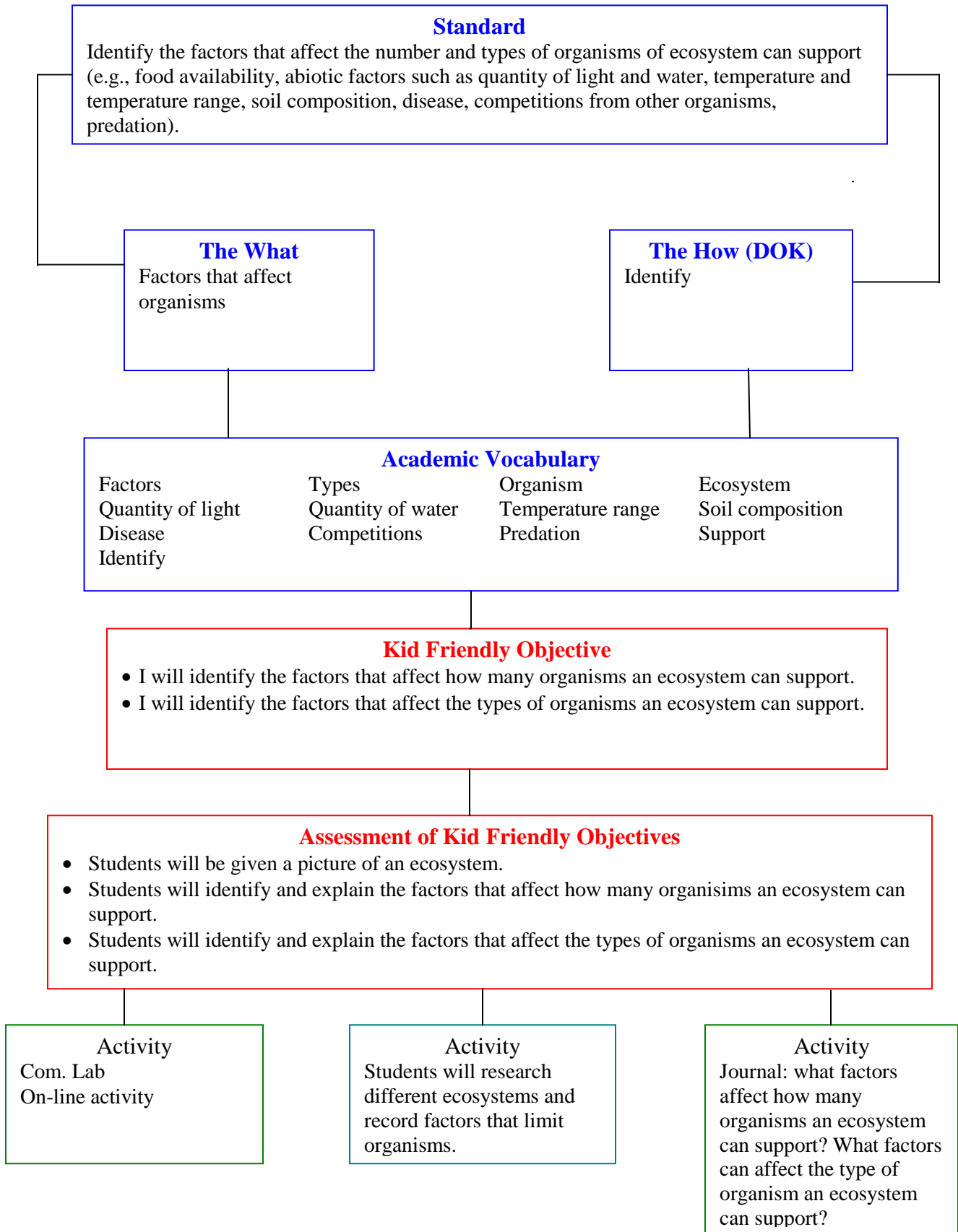
INSTRUCTIONAL DESIGN FRAMEWORK



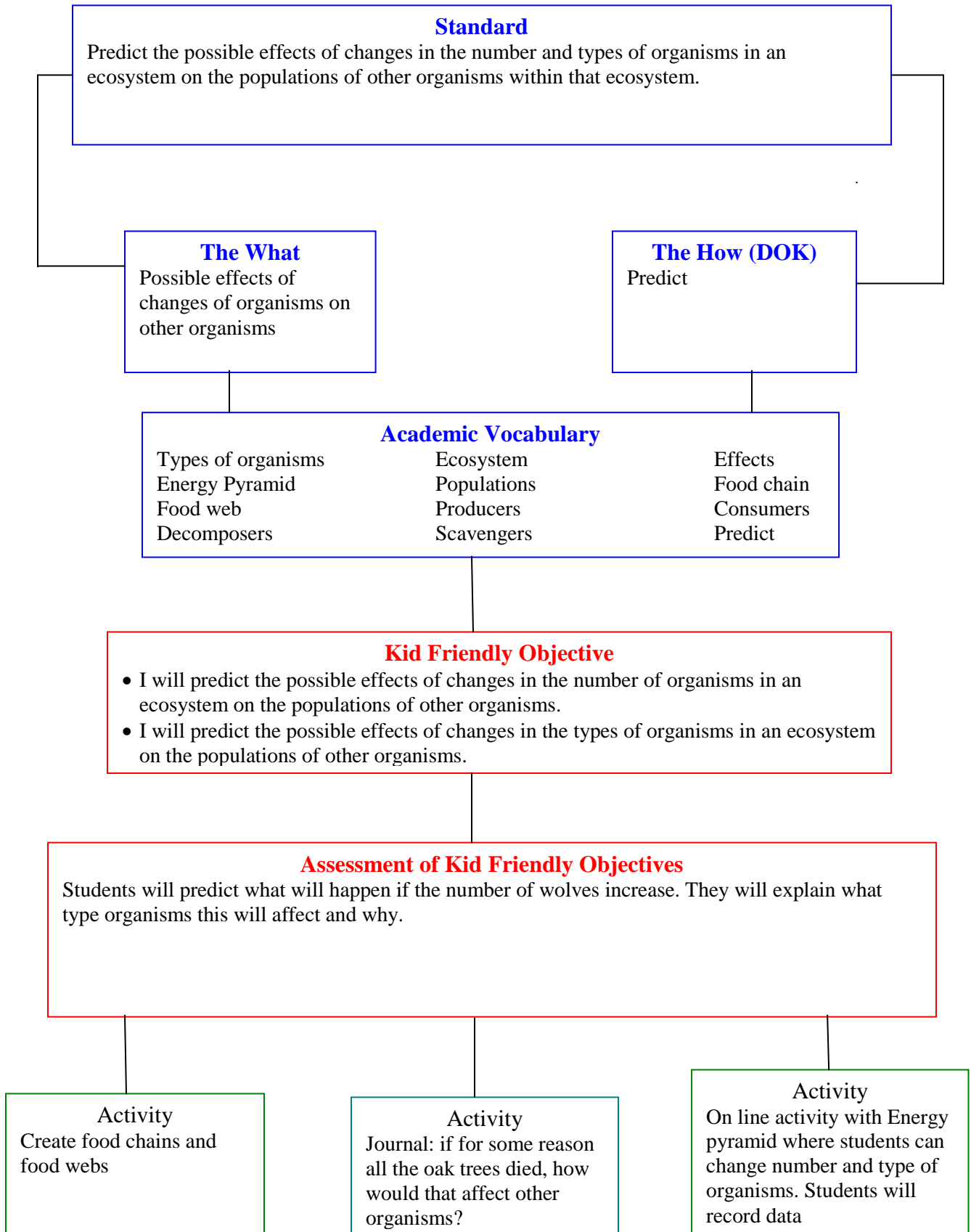
INSTRUCTIONAL DESIGN FRAMEWORK



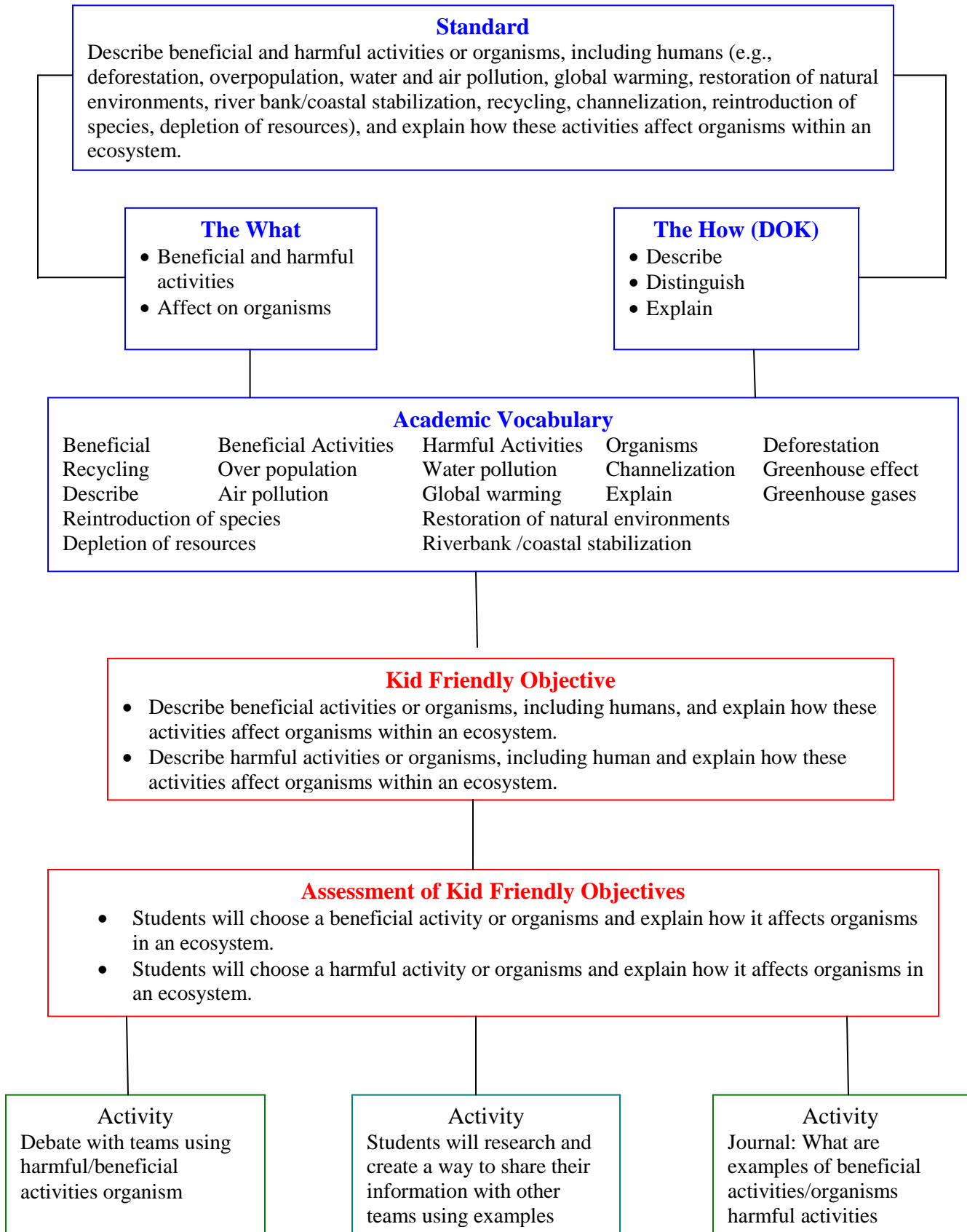
INSTRUCTIONAL DESIGN FRAMEWORK



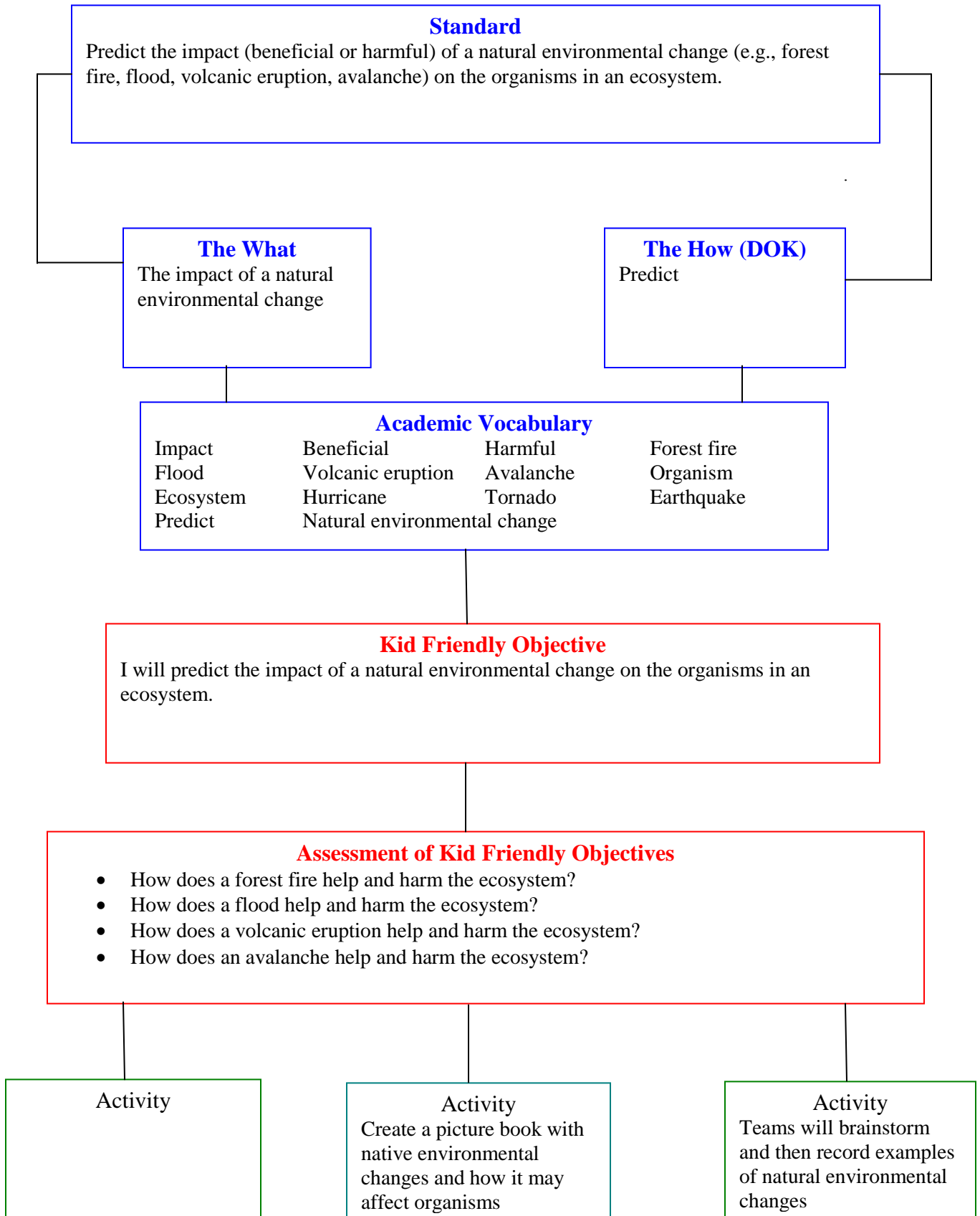
INSTRUCTIONAL DESIGN FRAMEWORK



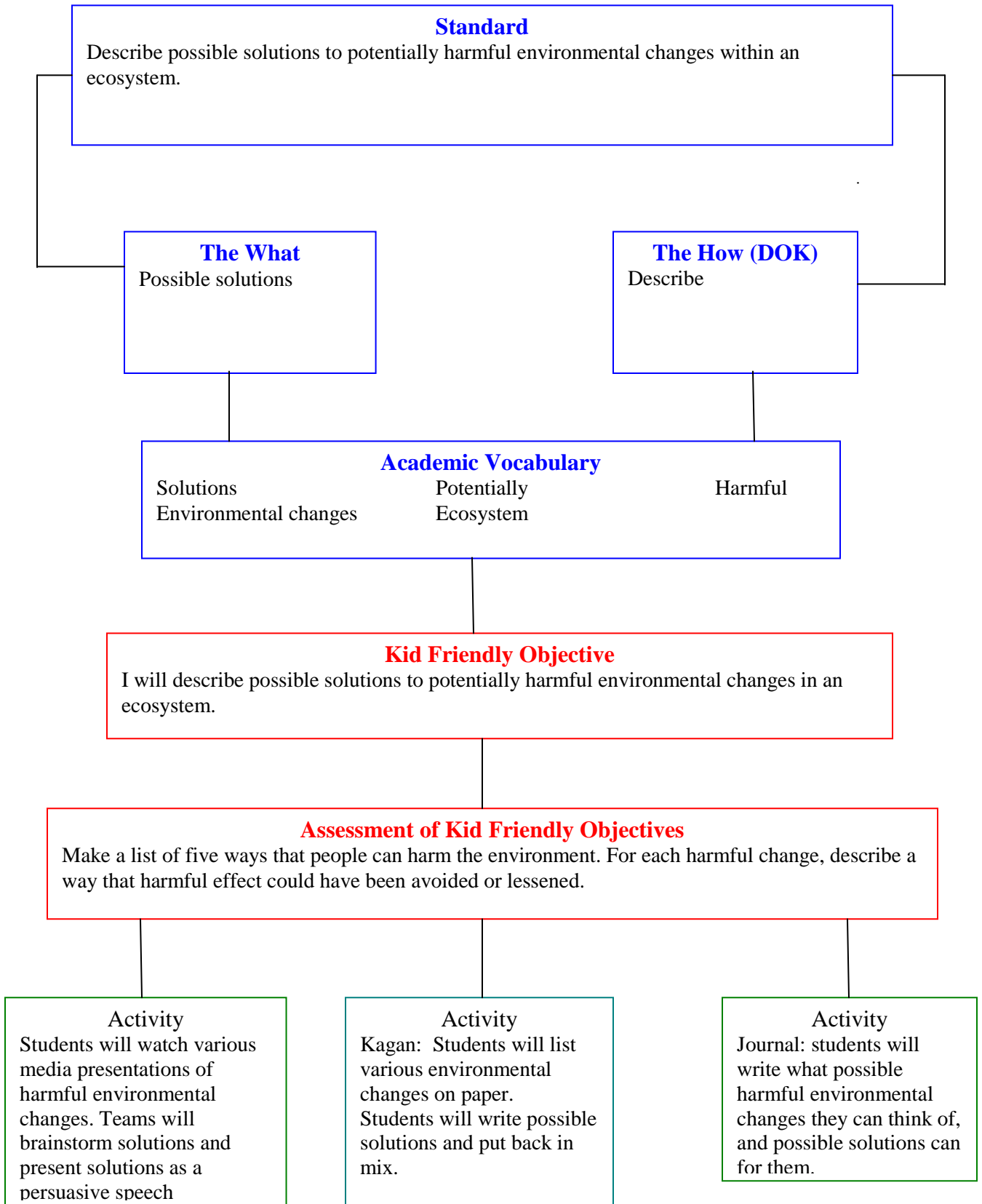
INSTRUCTIONAL DESIGN FRAMEWORK



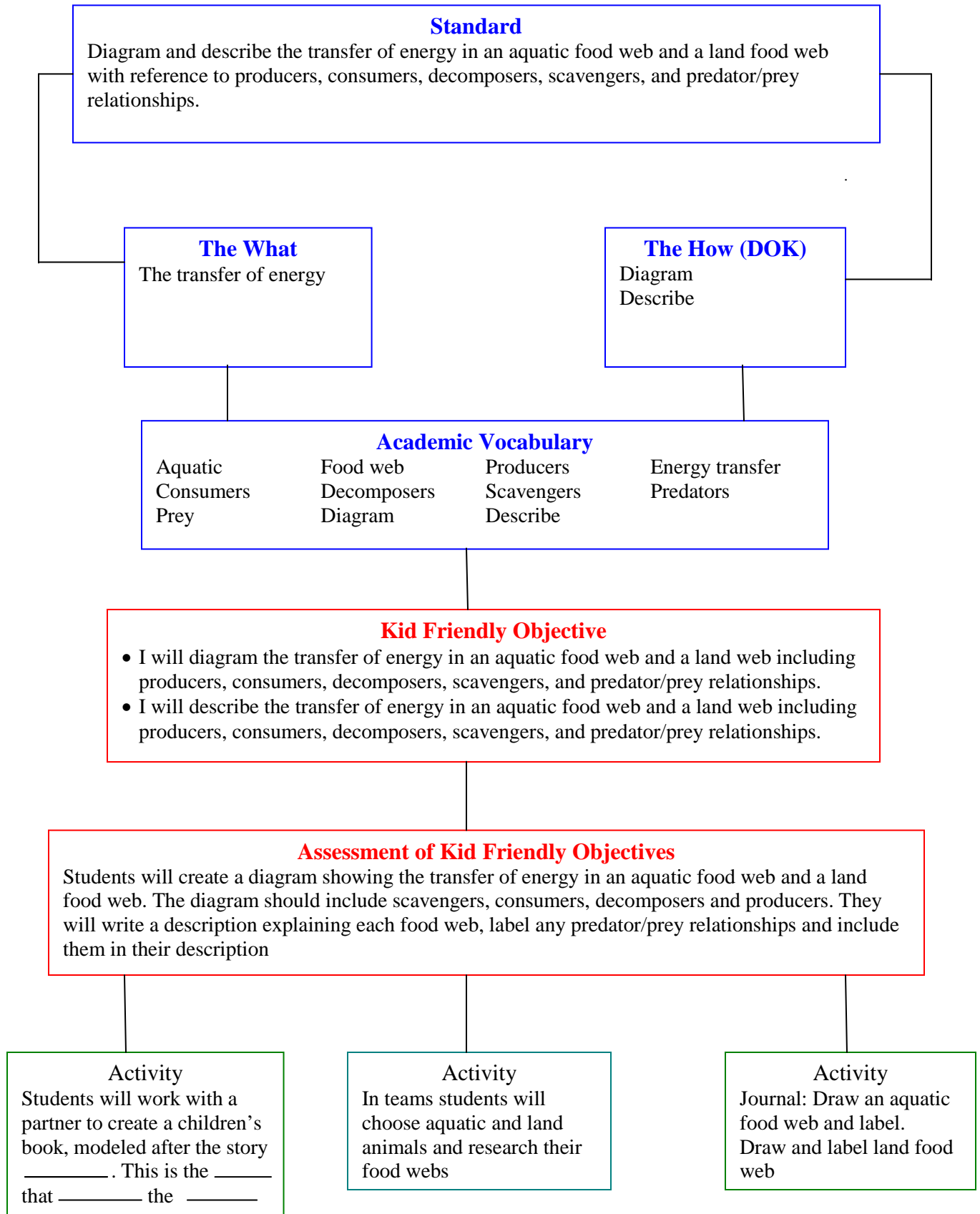
INSTRUCTIONAL DESIGN FRAMEWORK



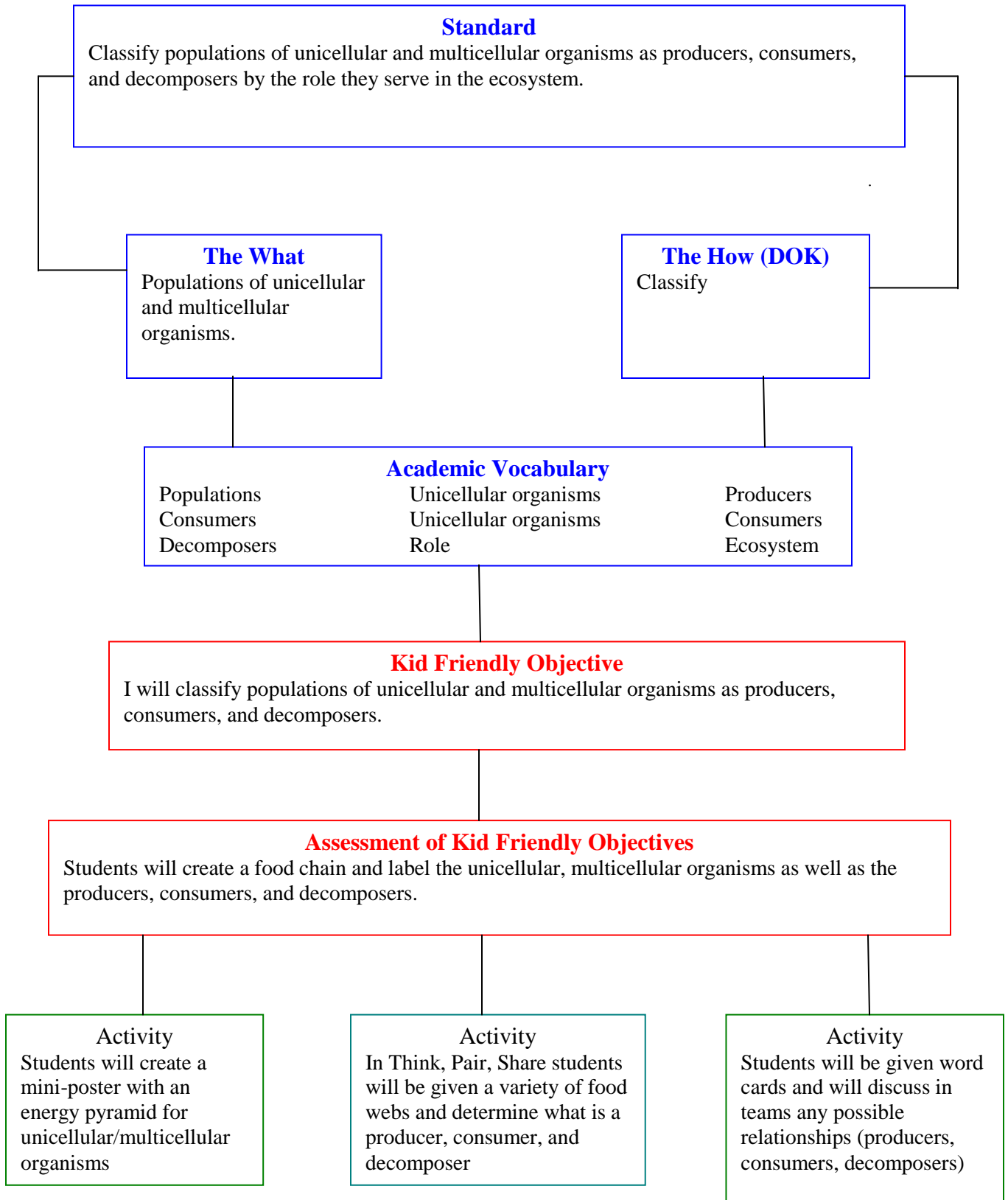
INSTRUCTIONAL DESIGN FRAMEWORK



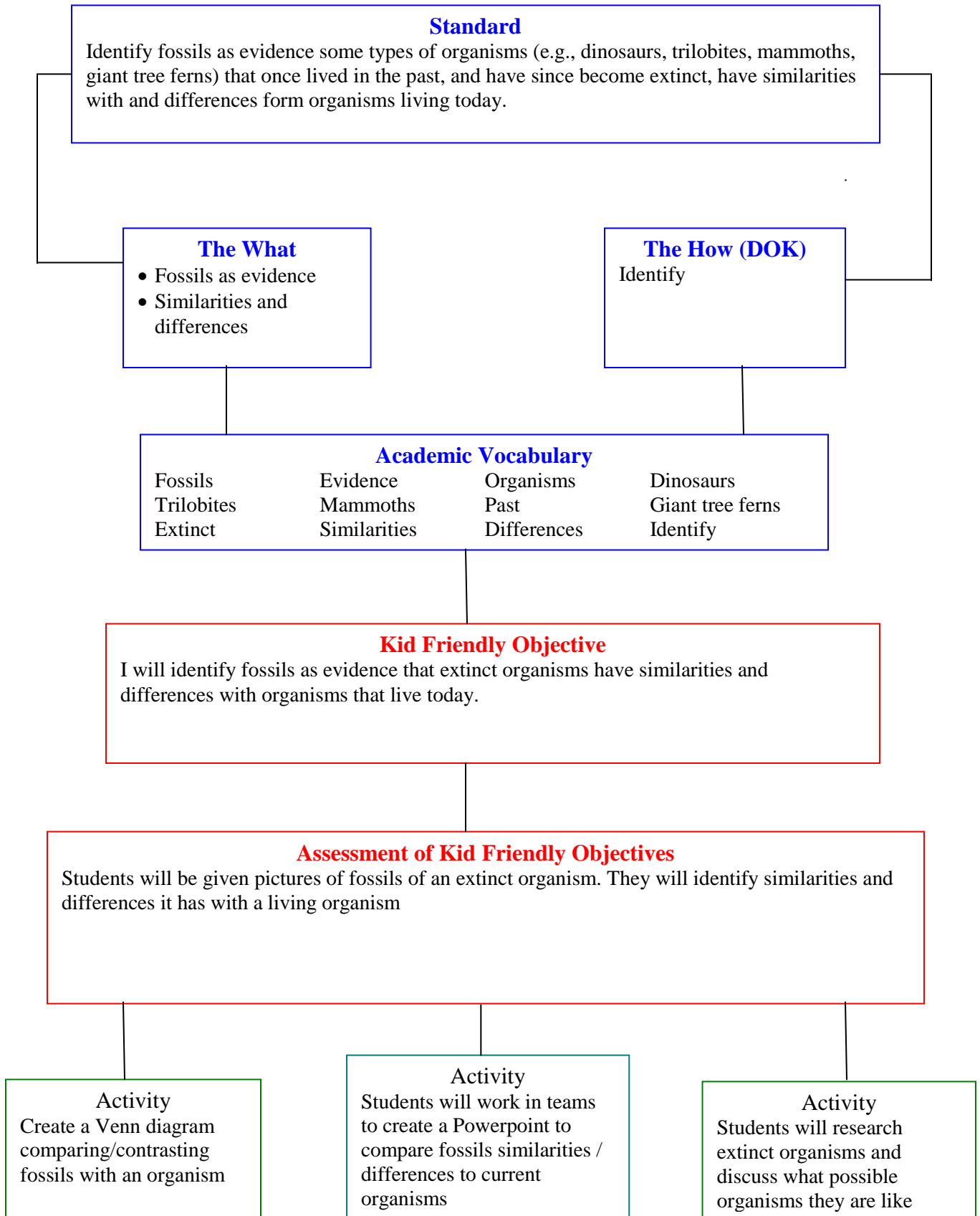
INSTRUCTIONAL DESIGN FRAMEWORK



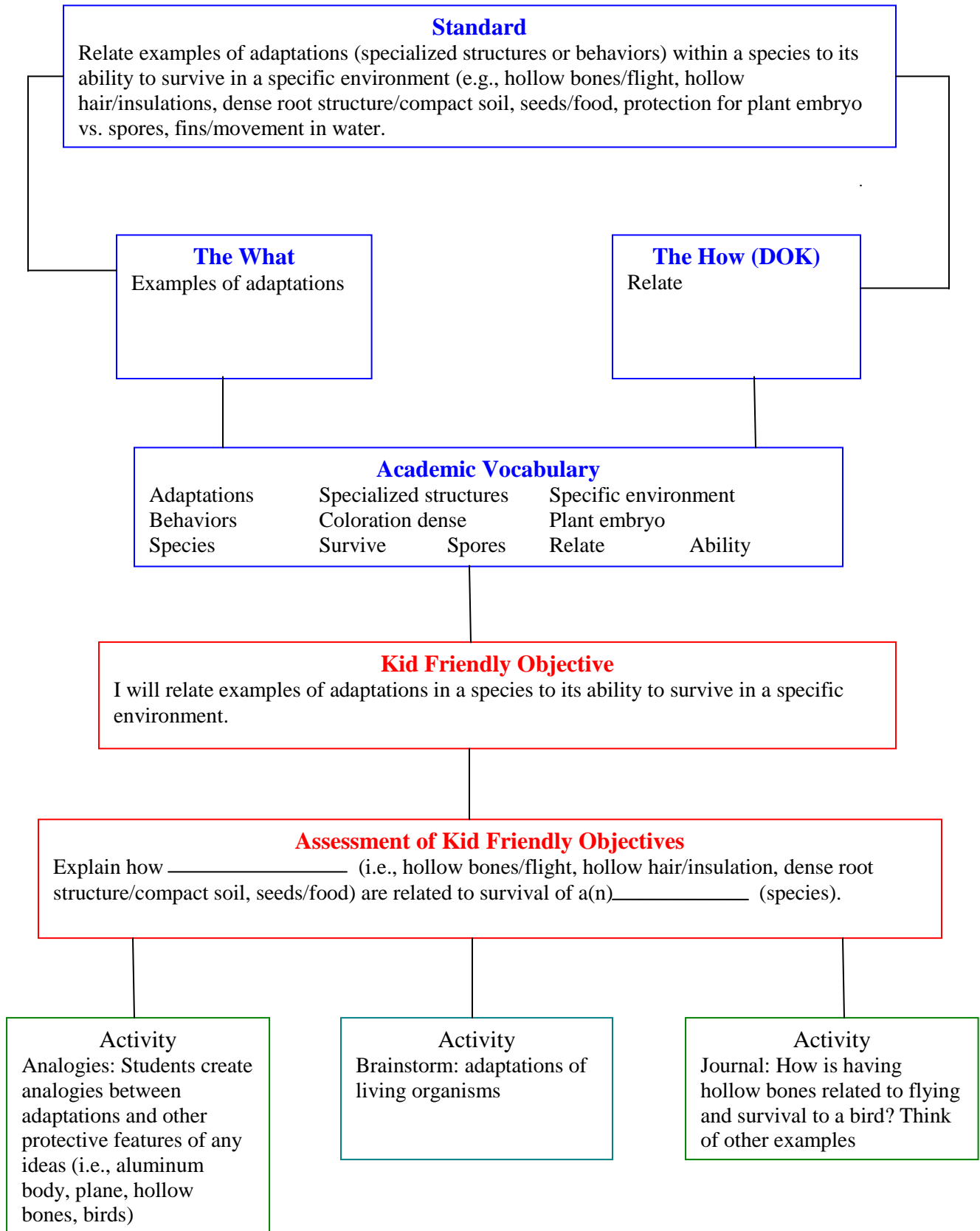
INSTRUCTIONAL DESIGN FRAMEWORK



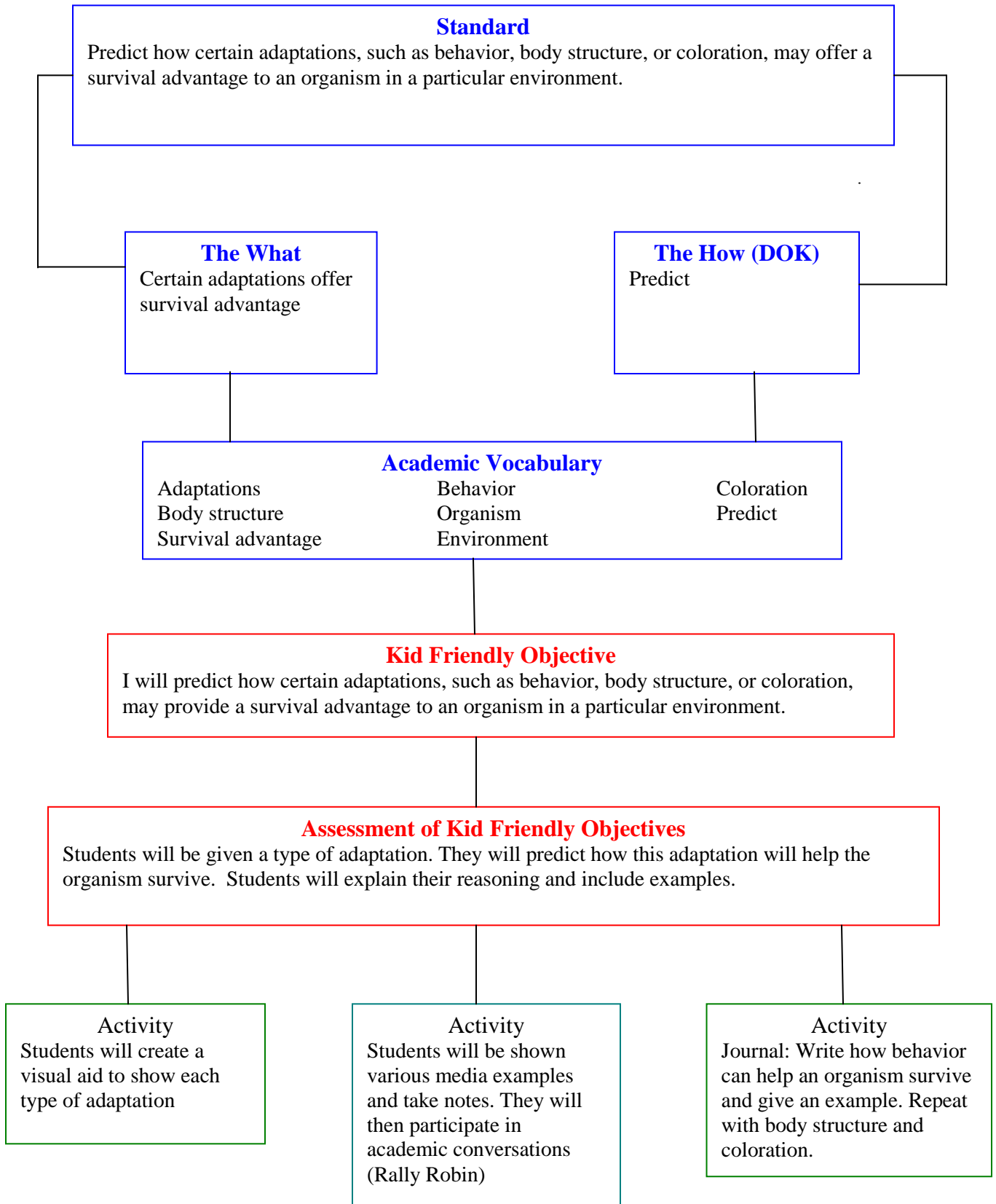
INSTRUCTIONAL DESIGN FRAMEWORK



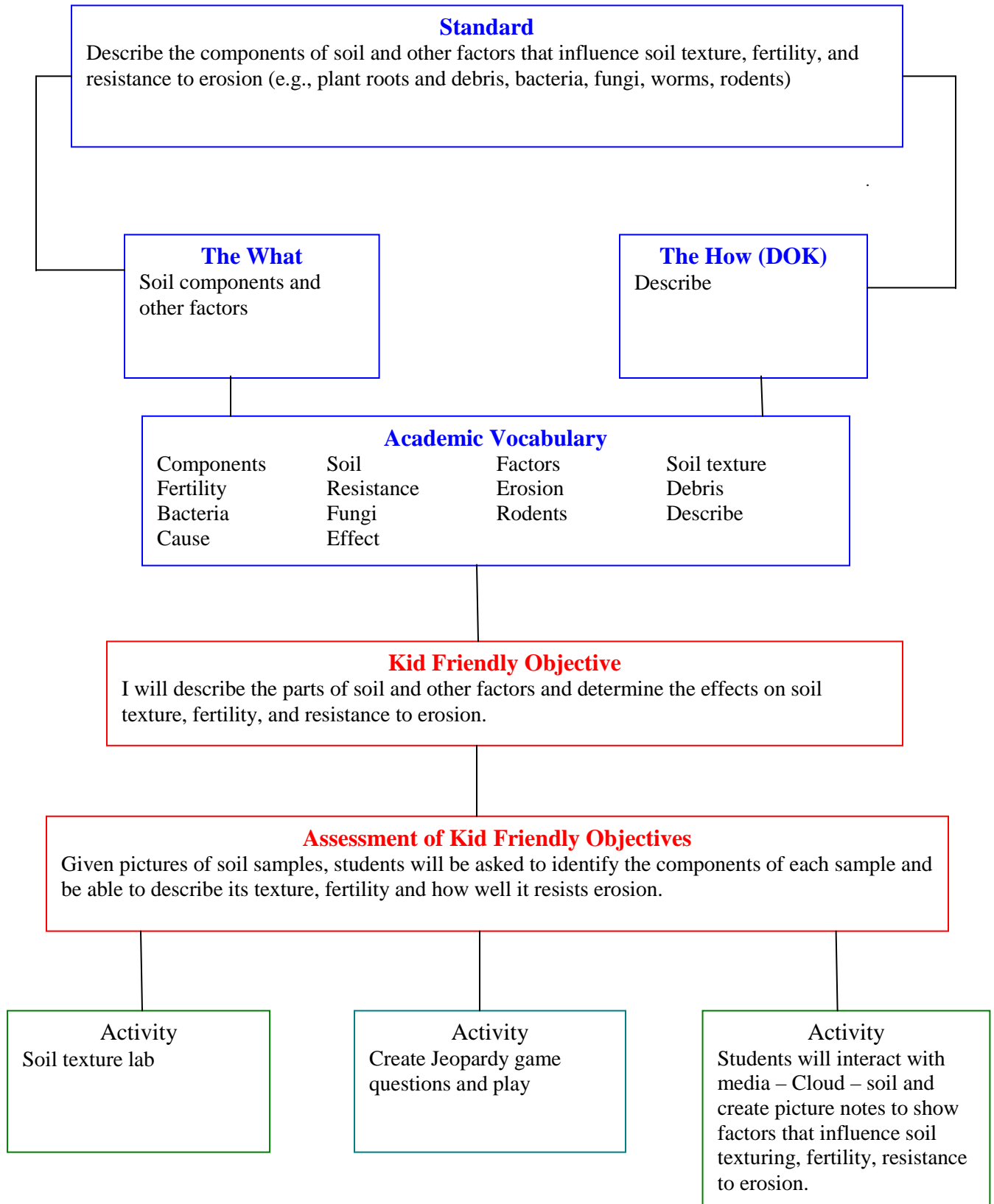
INSTRUCTIONAL DESIGN FRAMEWORK



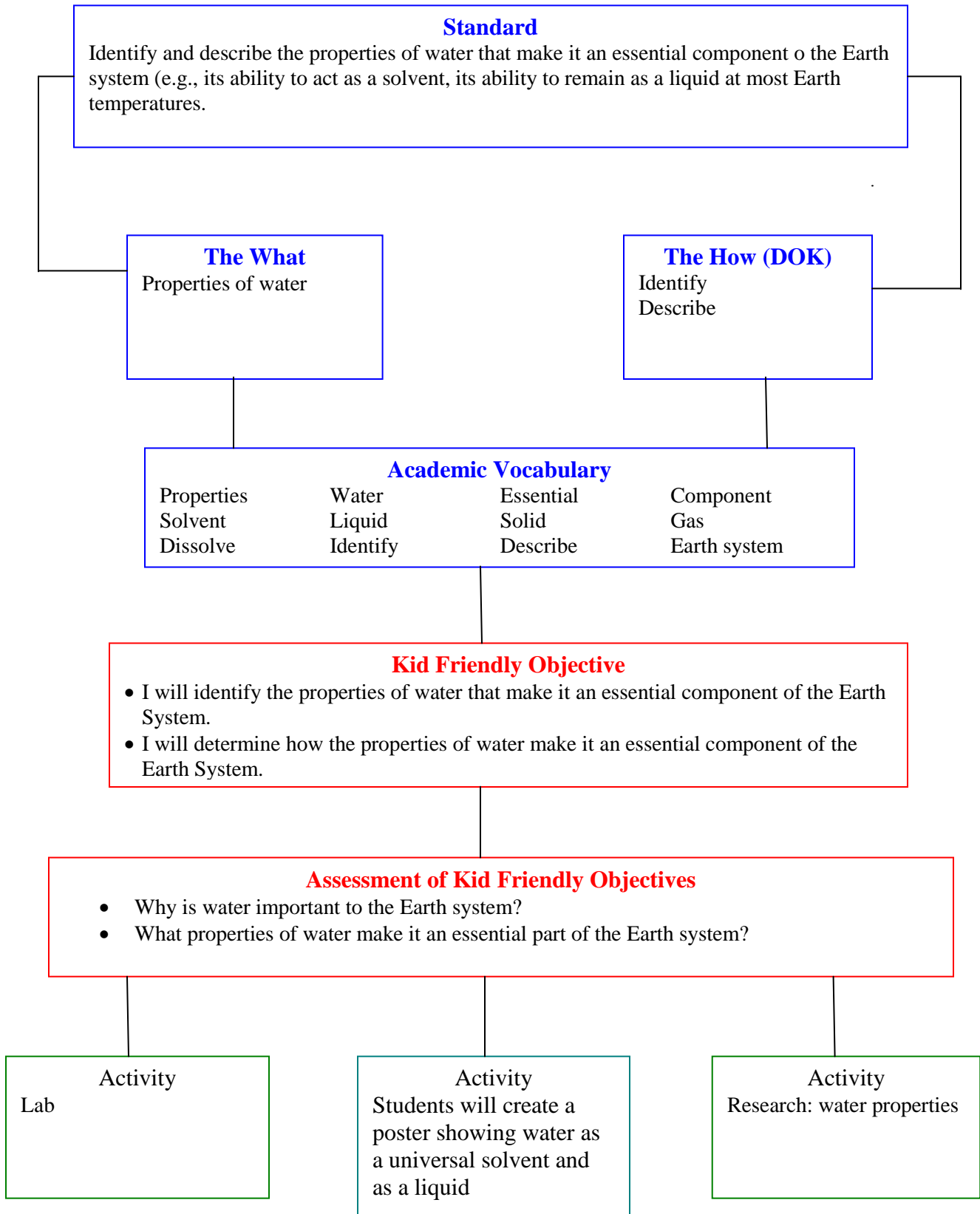
INSTRUCTIONAL DESIGN FRAMEWORK



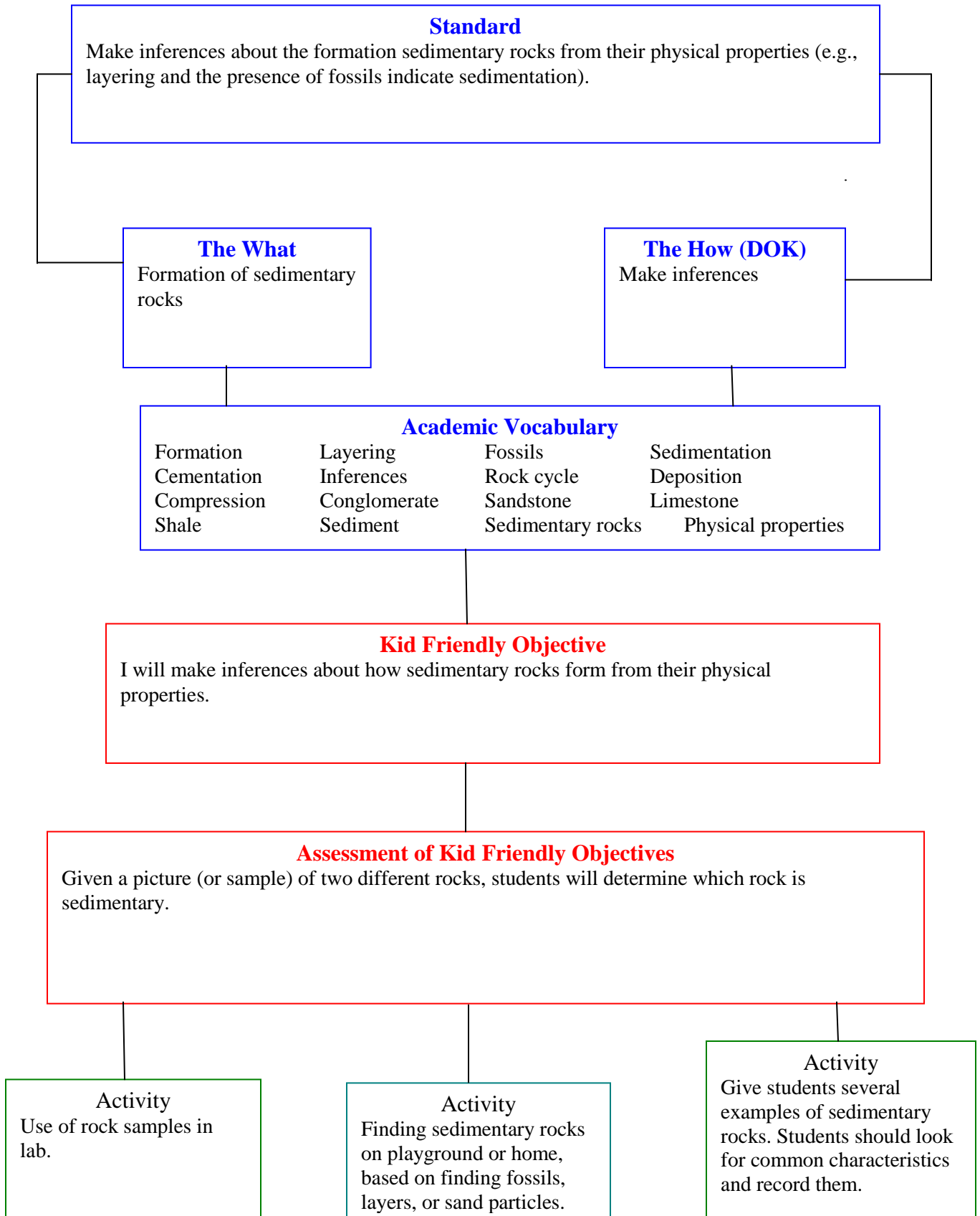
INSTRUCTIONAL DESIGN FRAMEWORK



INSTRUCTIONAL DESIGN FRAMEWORK



INSTRUCTIONAL DESIGN FRAMEWORK



INSTRUCTIONAL DESIGN FRAMEWORK

Standard
Explain how the formation of sedimentary rocks depends on weathering and erosion.

The What
The formation of sedimentary rocks

The How (DOK)
Explain

Academic Vocabulary

Formation	Weathering	Erosion	Rock cycle
Cementation	Compaction	Explain	Compression
Conglomerate	Sandstone	Limestone	Shale
Sediment	Sedimentary rocks		

Kid Friendly Objective
I will explain how sedimentary rocks form depends on weathering and erosion.

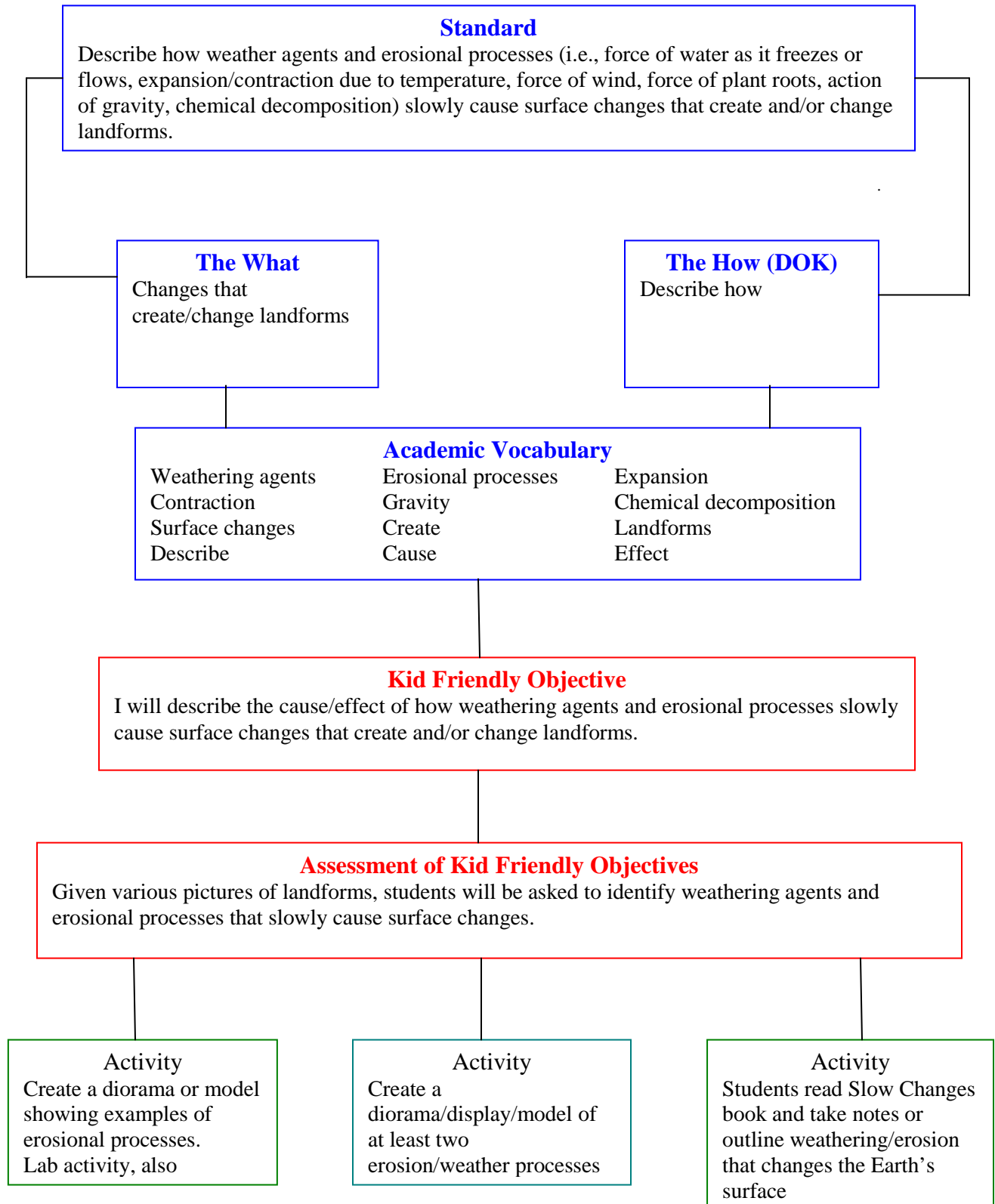
Assessment of Kid Friendly Objectives
Given a diagram of the rock cycle, students will locate areas where erosion and weathering would cause settling of sediment. Students will then describe how cementation of the sediment occurs using the terms compaction and compression.

Activity
Students will create a story from the viewpoint of one particular piece of sediment or piece of fossil

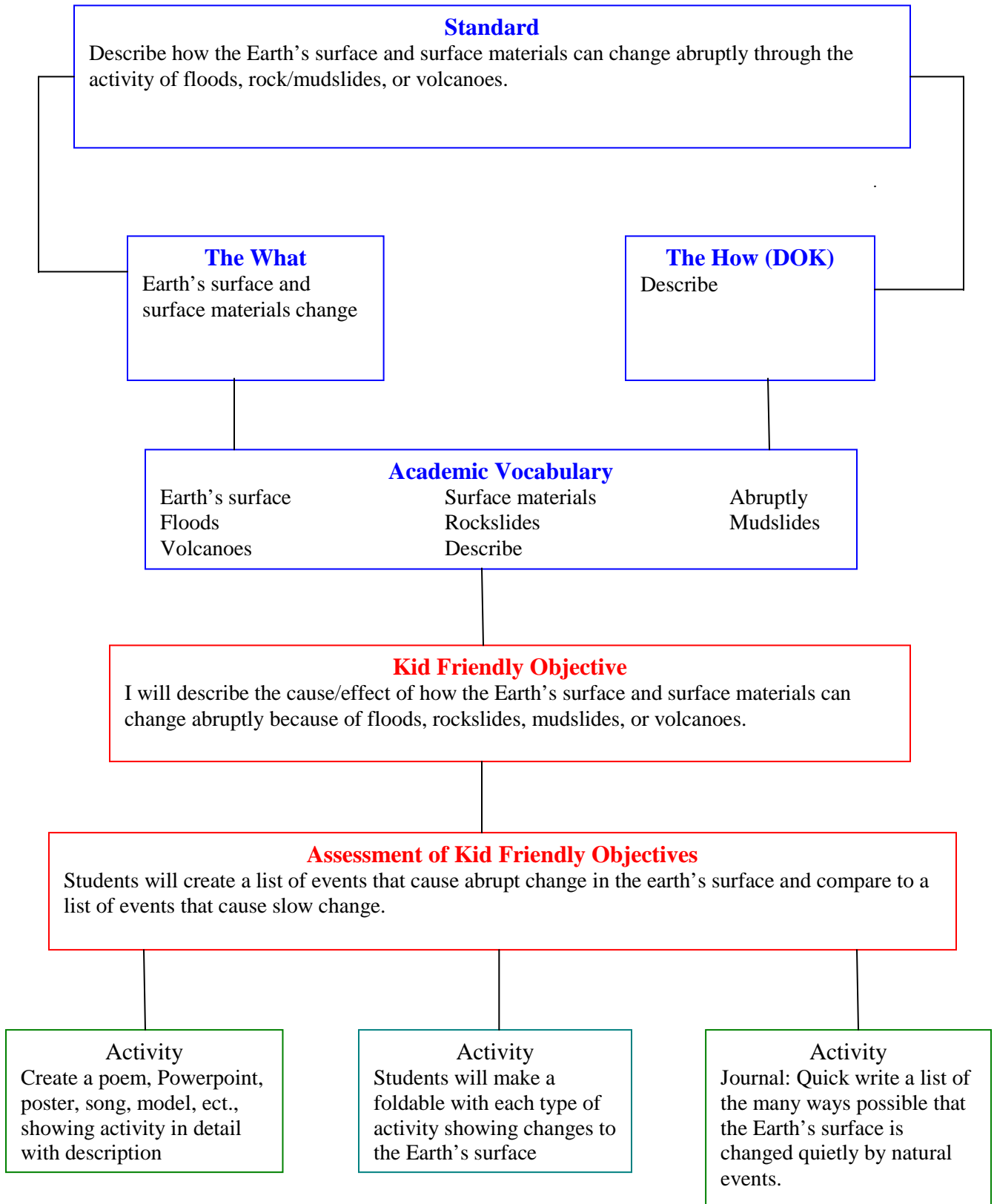
Activity
Create/use G.O. to show how sedimentary rocks form

Activity
Journal: How are sedimentary rocks formed?

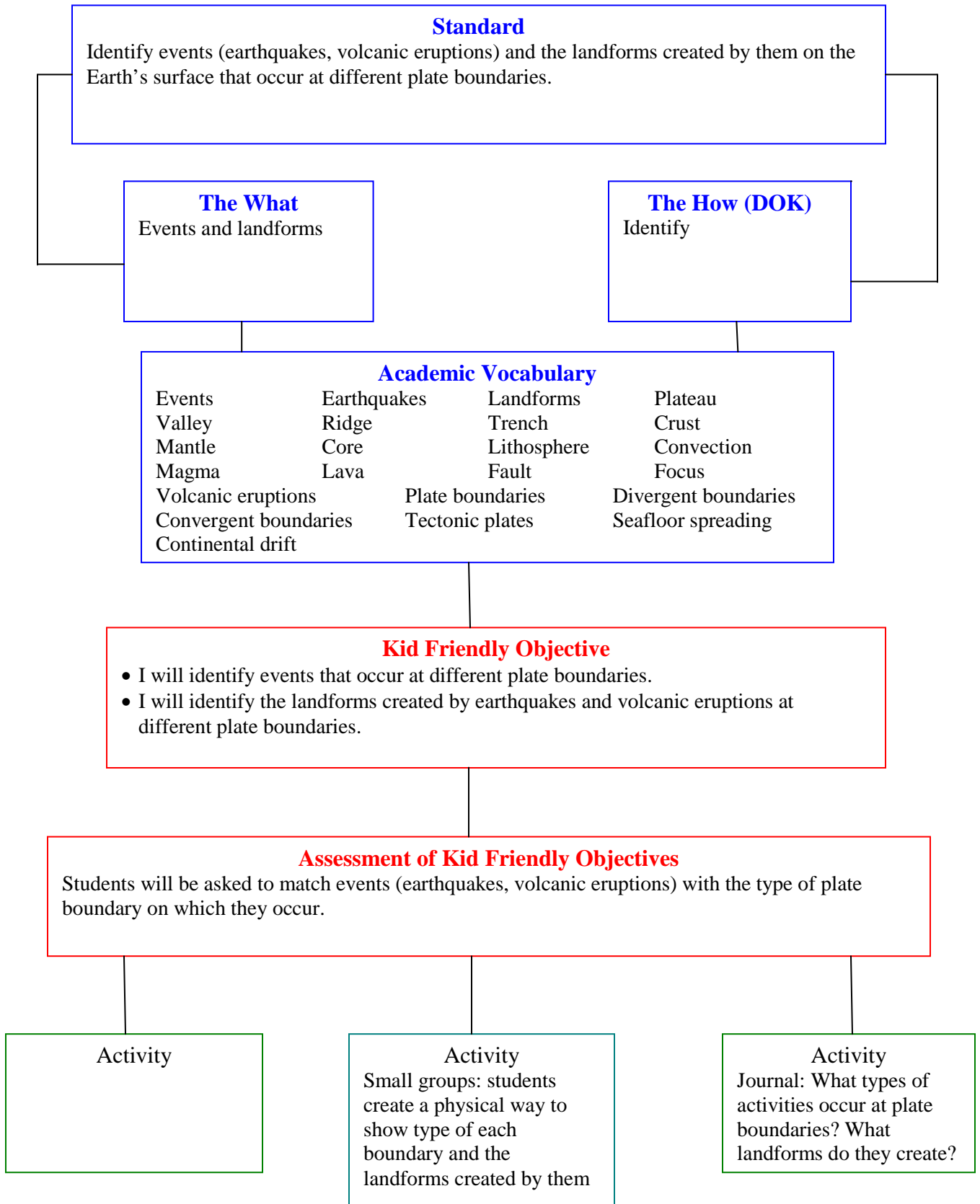
INSTRUCTIONAL DESIGN FRAMEWORK



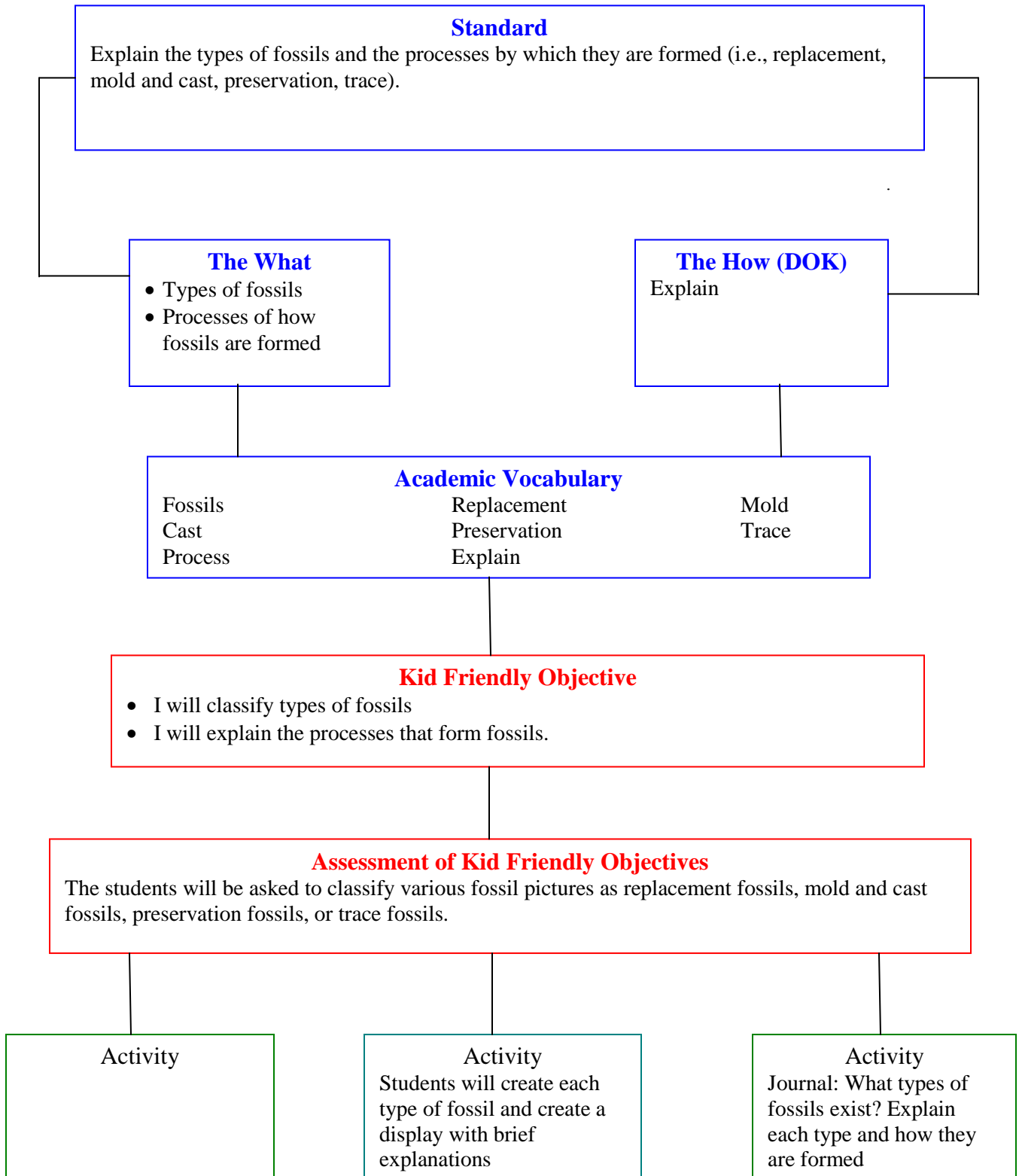
INSTRUCTIONAL DESIGN FRAMEWORK



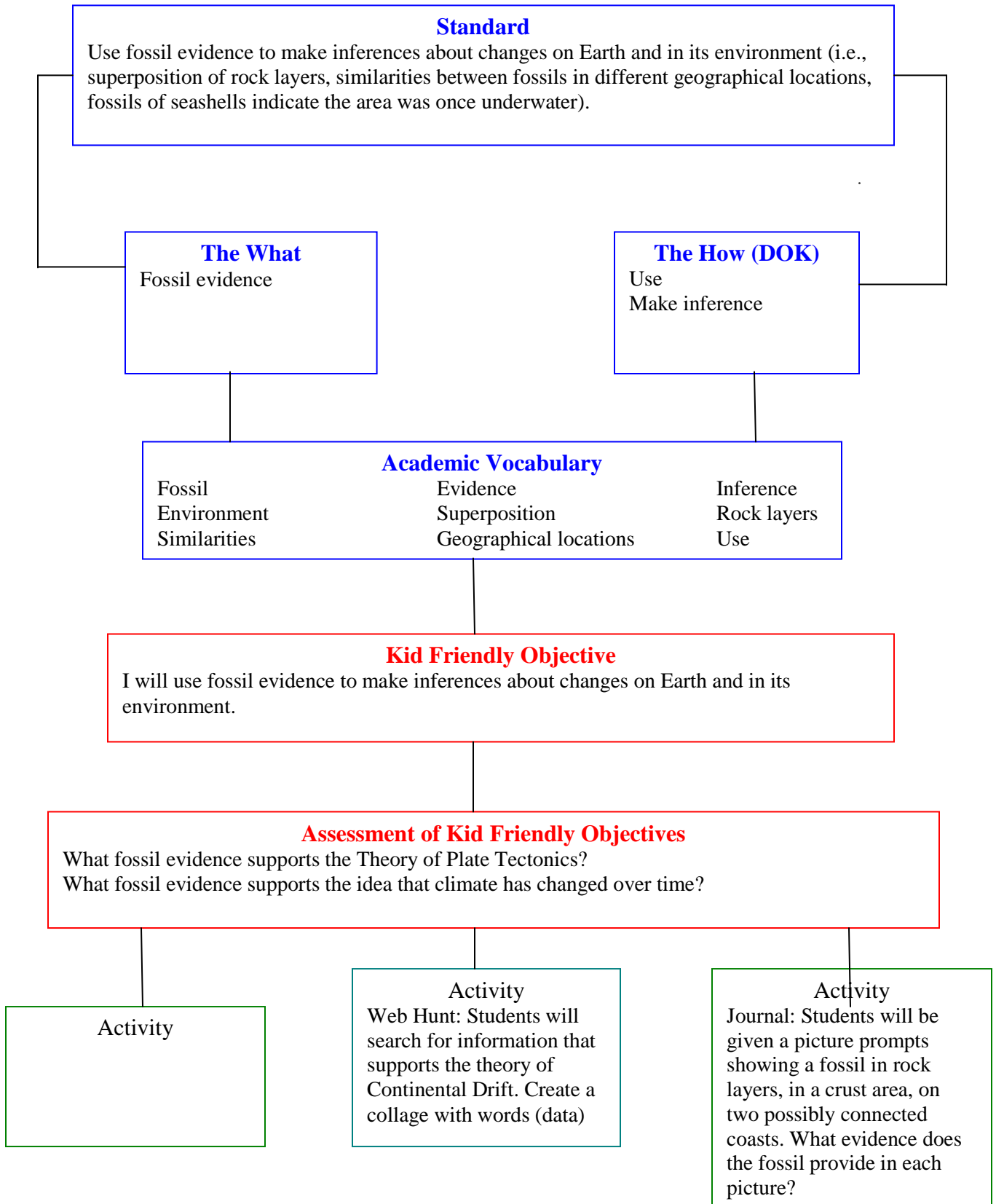
INSTRUCTIONAL DESIGN FRAMEWORK



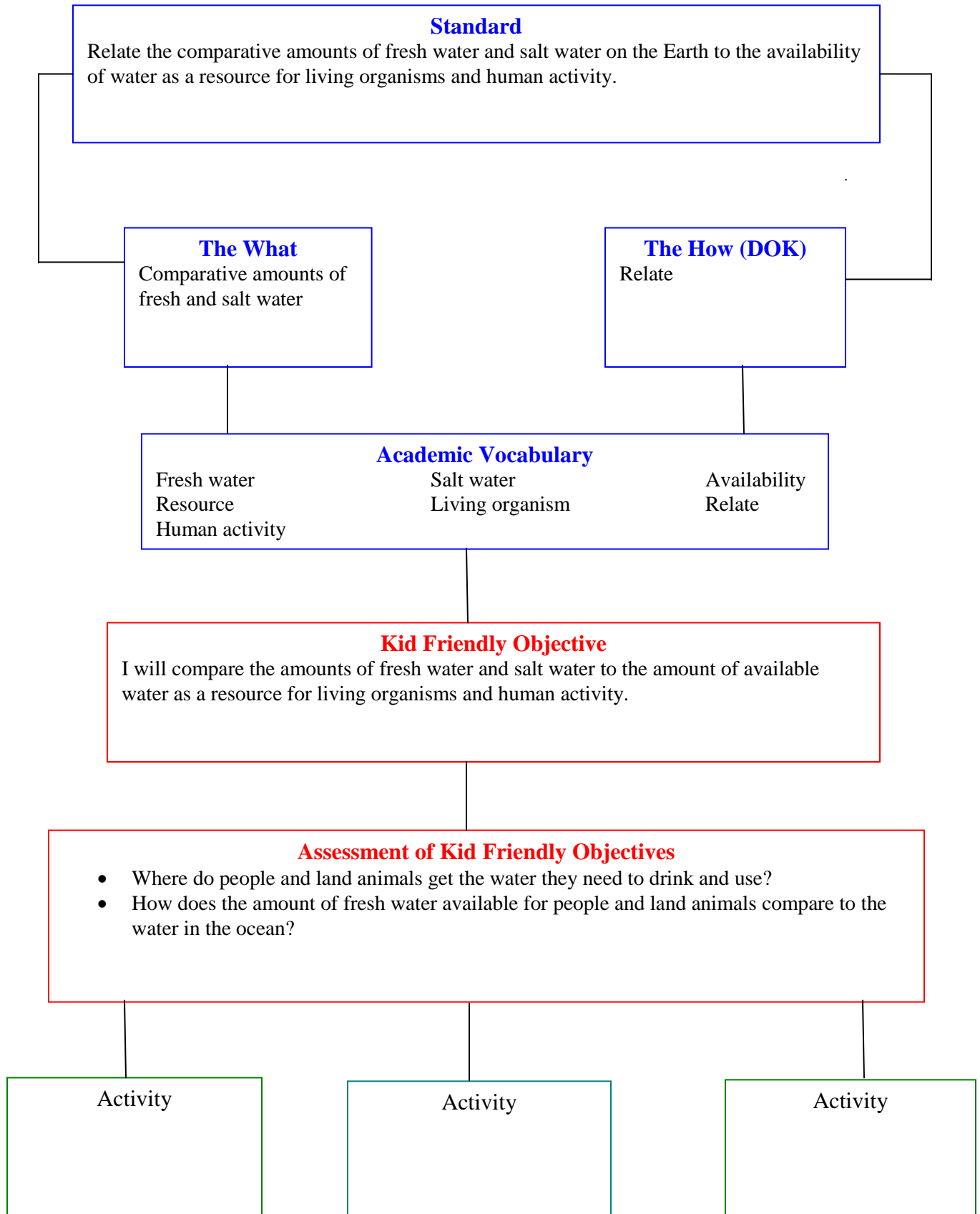
INSTRUCTIONAL DESIGN FRAMEWORK



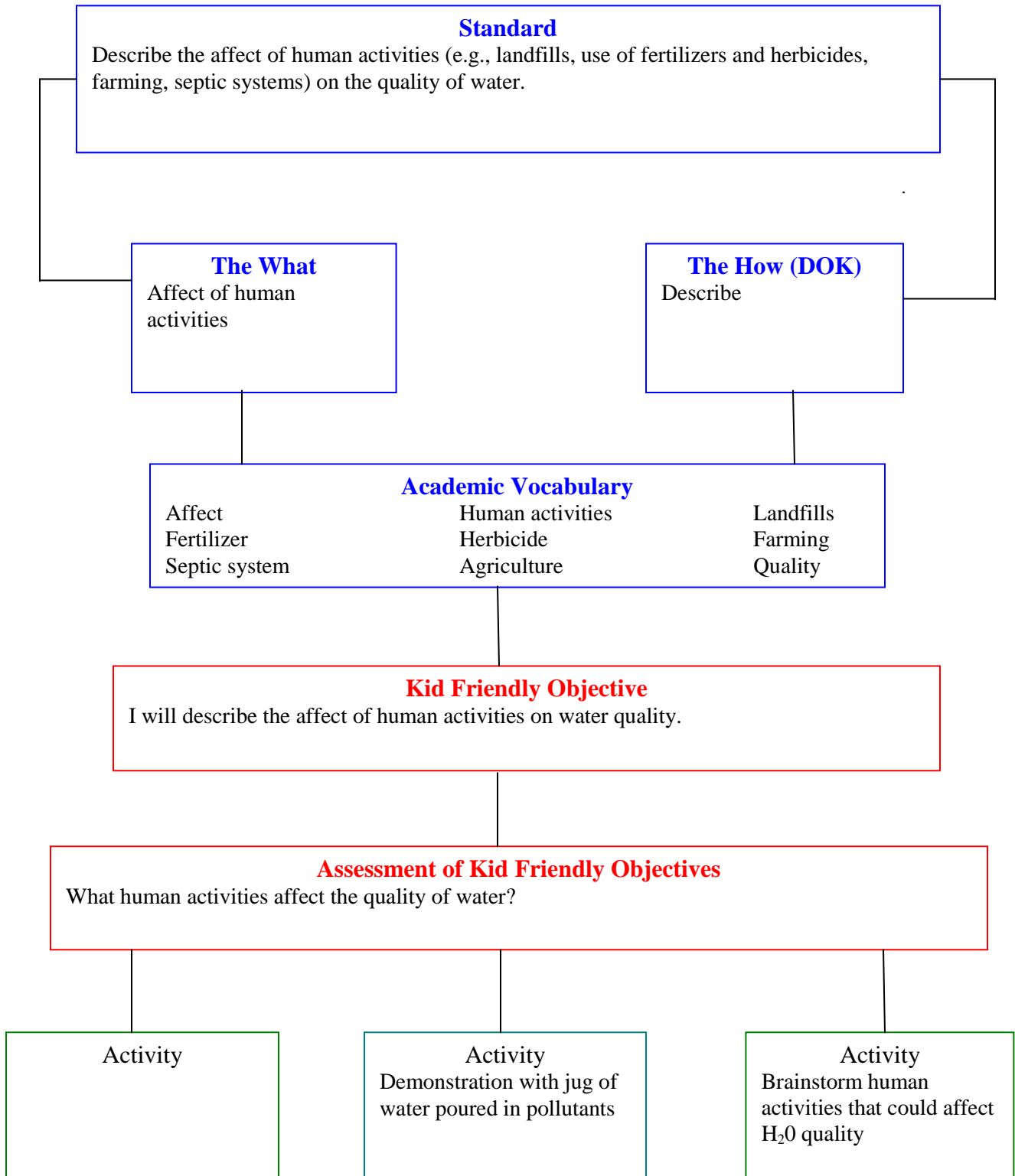
INSTRUCTIONAL DESIGN FRAMEWORK



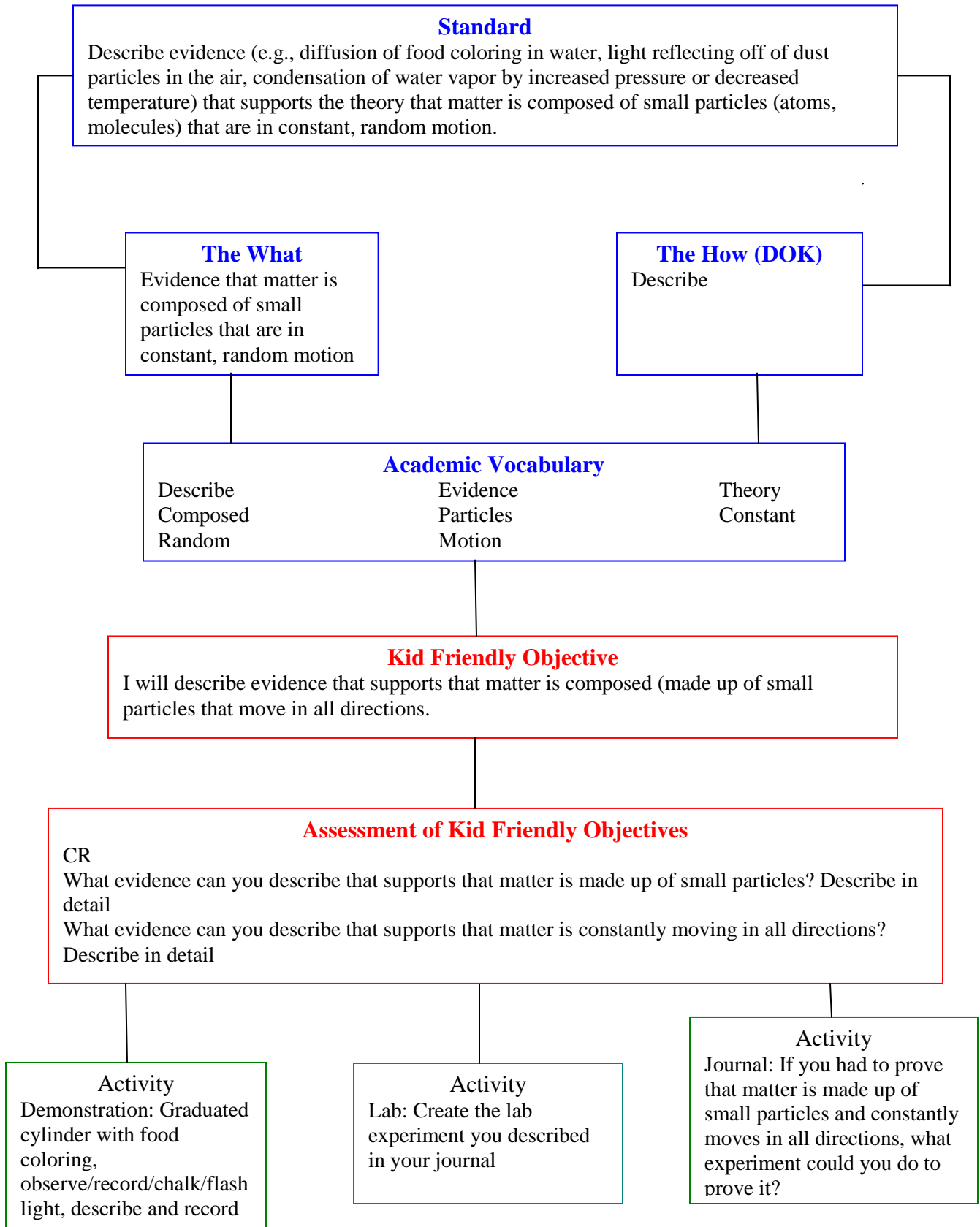
INSTRUCTIONAL DESIGN FRAMEWORK



INSTRUCTIONAL DESIGN FRAMEWORK



INSTRUCTIONAL DESIGN FRAMEWORK



INSTRUCTIONAL DESIGN FRAMEWORK

