**The Model so Far . . .**

Scientists perform experiments to learn about the natural world. They analyze the data they collect to explain various observations. Explanations of scientific phenomena, known as theories, are most useful when they make reliable predictions. Scientists develop models to describe, explain and predict phenomena within natural world.

Throughout this course, we will construct and refine a series of models to explain our observations. As we make new observations and analyze new data, we will find that we either need a new model or we need to revise or add features to our current model for it to maintain its usefulness.

The first model we are considering is a model of Energy. In developing a model of energy, we’ve made a variety of observations, engaged in many discussions, and developed various representational tools throughout Unit 1. As we progress through this course, you should use this packet to keep track of the features of our models of energy, interactions and structure.

Unit 1

Features of the model include . . .

Unit 2

Additions to the model include . . .

Unit 3

Additions to the model include . . .

Unit 4

Additions to the model include . . .

Unit 5

Additions to the model include . . .

Unit 6

Additions to the model include . . .

Unit 7

Additions to the model include . . .

Unit 8

Additions to the model include . . .

Unit 9

Additions to the model include . . .

Unit 10

Additions to the model include . . .