

Appendix A

North Carolina Essential Standards

5.P.1 Understand force, motion and the relationship between them.

5.P.1.1 Explain how factors such as gravity, friction, and change in mass affect the motion of objects.

5.P.1.2 Infer the motion of objects in terms of how far they travel in a certain amount of time and the direction in which they travel.

5.P.1.3 Illustrate the motion of an object using a graph to show a change in position over a period of time.

5.P.1.4 Predict the effect of a given force or a change in mass on the motion of an object.

Throughout the activities in my curriculum unit students will investigate all of the standards stated above. Using hands on activities will make these abstract ideas concrete and will allow teachers to discuss the concepts with a tangible example. The examples created through the activities can serve as reference points throughout the unit as students read and discuss nonfiction books on force and motion.