

## Appendix 1: Implementing the Teaching Standards

Students who complete this unit will have created line plots (4.MD.4.). They also will have worked through some of the sixth grade math standards to include reasoning about real-world math problems, finding the percent (6rp3 a and c). The focus on statistics is heavy from understanding that a set of data can answer a statistical question (6SP2), looking at the shape of data distribution which can be described by its center, spread, and overall shape. (6 SP2). Students will also display their data using a box plot(6SP3) Students will learn to analyze the data based on the shape and spread of the data, they will learn to look for patterns in their data and will be able to explain what those patterns mean. (6SP4 ,SP5)

Students will be able to change between fractions, decimals, and percents, and will be able to explain what a repeating decimal means. (7NS2d) Students will be able to understand a population based on a sample of the population and be able to make generalizations about a population (7.SP.1, 7SP2) Students will be able to assess overlap between sets of data and will be able to use data to gain information about a population (7.SP.3.,7.SP.4.)<sup>1</sup>

Students will apply information from a variety of sources to improve overall health. Students will track physical activity. (PE.6.MC.2.1 and PE.6.MC.2.4) Students will understand the importance of achieving and maintaining a health-enhancing level of physical fitness as well as track their pre and post fitness. Students will also monitor their social life to include the amount of sleep, exercise and calories they use each day. Students will also monitor the amount of aerobic exercise they engage in and will be conscious of keeping in the appropriate target heart rate zone/perceived exertion levels, including cool-down and appropriate post-activity stretching (PE6.HF.3.2)

Students will understand the importance of maintaining and achieving a health enhancing level of physical fitness, and will self evaluate their fitness levels. Students will also analyze data and examine the relationship between physical activity and caloric intake. (7.HF.3.3 PE.7.HF.3.2)