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**Grade:** 4

**Unit Topic:** Olympics

**Course/Discipline:** Understanding importance of the Olympics

**Time Required:** 1 week

**Main purpose of the Unit Study:** The purpose of this unit is to understand the key details of the Olympics. Students will understand sports is a way for the whole world to come together for a few weeks. This will also help students develop a variety of skills.

**Standards:**

**Math:**

4.M D.2 Use the four operations to solve word problems involving distances, intervals of time, liquid volumes, masses of objects, and money, including problems involving simple fractions or decimals, and problems that require expressing measurements given in a larger unit in terms of a smaller unit. Represent measurement quantities using diagrams such as number line diagrams that feature a measurement scale.

Learning objective: TLW apply their knowledge about population, scoring averages/times and currency to the Olympic games.

Learning Activities: Students will be in partners and time each other for a 20-meter sprint and record their times. They will find their actual speed using a formula given. They will compare currencies from different countries and compare the population.

Assessment: Formative-The teacher will supervise while students are recording times and calculating with the formula.

Summative- The students will make a line graph of the whole class' recoded times.

**Science:**

4-PS3-1. Use evidence to construct an explanation relating to the speed of an object to the energy of that object.

The faster a given object is moving, the more energy it possesses.

Energy can be transferred in various ways and between objects.

Learning Objective: TLW construct an experiment where they are comparing the speed and energy of two objects from different sports.

Learning Activities: Do research on techniques of the sport and statistics of athletes in that sport. Students will be provided with a radar gun for the speed of an object and they will then find the energy.

Assessment: If students are able to accomplish finding the right statistics of the objects on their own.

**Art:**

4.3.1 Examples of themes and ideas\* (e.g., people, work, celebrations, ethnic heritage, memorials, natural wonders, happiness, playfulness, excitement, fear, joy, information literacy\*, media literacy\*)

4.4.1 Know that visual art has both a history and specific relationship to various cultures.

Learning Objective: TLW demonstrate their knowledge of history, themes, symbols and subjects through their art work.

Learning Activities: Construct, illustrate or sketch a piece of art that represents something from another country.

Assessment: Accurate representation of the subject of art for their country.

### **P.E:**

Standard 1: Demonstrates competency in a variety of motor skills and movement patterns.

S1.E2.4 Runs for a distance using a mature pattern.

Standard 2: Applies knowledge of concepts, principles, strategies and tactics related to movement and performance.

S2.E5.4a Applies simple offensive strategies and tactics in chasing and fleeing activities. B)

Applies simple defensive strategies and tactics in chasing and fleeing activities.

Learning Objective: The students will develop proper throwing form by using foam (gator skin) balls first and then move to throwing a pool noodle.

Learning Activities: The students will throw pool noodles as a javelin in an attempt to throw them as far as they can.

Assessment: The learner will throw overhand using proper form (stepping with the opposite leg, leading with the opposite arm, and following through).