**GOAL:**

**In a 9th grade physics class students will be able to calculate and understand the concept of speed.**

**MATERIALS:**

**Stop watch, outside field, computer (youtube video),cell phones(stopwatch)**

**METHODS:**

**-Brief powerpoint/lecture on how to calculate speed**

**-Short youtube clip on speeds of different organisms- animals, cars, rockets, racecars**

**-Teacher models proper use of stopwatch**

**-Go out to field and perform speed calculation activity- Choose jobs- timer, model, recorder, time keeper**

**ASSESSMENTS:**

**- Group work – How well each student performs their duty throughout the activity**

**-Use the data that they have collected and fill out written worksheet**

**-Choice on how to show data in a chart/graph form- digitally, hardcopy, narrative**

**-Quiz at the end of the lab**