A Day at the Races Activity – Task 5
(2 Days)

Task: To work in a group, gather data over distance and time, calculate the speed of different activities, and complete a lab write up including graphs.

Lesson Description:
- **Introduction:** What are the two variables necessary to calculate speed? Why is it necessary to calculate speed and be able to graph it? Complete in your journal the questions listed.

Lesson:
1. Pass out the lab packet. One per group. Explain that they will be working outside on the football field. Find an area for your group to work.
2. Explain the roles and tell them that they will be rotating roles. The roles are times, recorder, participant, and spotter.
3. Each one of you will choose an activity that you will do twice. Follow the directions on the lab.
4. Your group will lay out a 6-meter track. Take turns running through the roles and each participant does their activity 3 times each. Record on data sheet.
5. The two variables that you will be measuring are time and distance. Keep track of all your data.
6. Explain that the social skill that the teacher will be observing will be participation. All members will be involved and participating.
7. Let the students go outside and begin activities.
8. Teacher will go from group to group keeping track of participation.
9. The activity will take place outside and should last about 30 minutes.
10. Bring the class back in and check data sheet to see that they recorded it correctly.
11. Tomorrow, they will work as a group to complete the questions.

♦ **Closure**- Take the distance and time from one student’s data, and graph it on the board. Explain that we will be graphing tomorrow.

**Assessment:** Holistic lab rubric.