**Where’s the Physics?**

**Project Description**

**Background:**

We all have a favorite activity or sport. Chances are that the activity is jam-packed with physics concepts that we have discussed this semester, such as forces, motion, and momentum. Your mission will be to choose an activity you are interested in, and to research how the concepts we’ve discussed apply to your activity.

**Task:**

* Research and present a project in which you apply the concepts of forces and motion to an activity or sport of your choosing.
* Choose an activity or sport to investigate.
* Choose a format for your project. Examples of formats include movies, posters, PowerPoint presentations, songs, illustrated books, written reports, or any other format approved by your teacher.
* Research how the concepts we have covered apply to your activity. Your project *must* address the following concepts:
* Forces (types, FBDs)
* Mass
* Gravity
* Newton’s Laws
* Acceleration
* Velocity
* Momentum
* Cite a minimum of 3 verifiable sources (not Wikipedia). Include the sources in a works cited page that includes:
* The source title and author
* Where the source was found (URL)
* Why you think the source is credible
* 2 – 3 sentences explaining what you used the site for
* All images used must have sources

**Due Dates:**

* Weekly milestones – see Check-in Log for dates
* Final Project Due: TUESDAY 11/26/2019 (before Thanksgiving break)

**Other Requirements:**

* If you choose to work in pairs, your project will be graded twice as critically, since there is twice as much potential for effort. (this is NOT recommended)
* To be eligible for full credit on this project, you must meet all of the deadlines.
* Your grade will be based on the rubric handed out in class.