WebQuest Newton’s Laws

Name:________________________________________


Step click on the “Law of Inertia”

1. What does the law of inertia state?__________________________________________________________________

_________________________________________________________________________________________________

2. What happens when you apply an external force on the apple?_____________________________________________

3. What happens when you stop the apple?_______________________________________________________________

4. Explain why number 3 happens. ______________

__________________________________________________________________________________________________

5. What external force caused the worm to stop?_________________________________________________________

Go to Next Law

1. State the 2nd law of motion:________________________________________________________________________

2. What is the Force?_______________________ The Mass?__________________ and the Acceleration?____________

3. What happens when the worm exerts more force?_____________________________________________________

4. What happens when the apple gets more mass?________________________________________________________

Go to next law

1. What does the 3rd law state?_______________________________________________________________________

2. What is the “action” in this example?_______________________________________________________________

3. What is the “reaction in this example?_____________________________________________________________

Take the Quiz. Get at least an 8 out of 10 and get checked off. Checked?___________________________


Step 2 Watch the video and answer the following questions

1. What does Newton’s 1st law say?_____________________________________________________________________

2. What is an example of Newton’s 1st law in football?_____________________________________________________

3. What is an example of inertia in football?_____________________________________________________________
4. What happens when a football player has more mass?

Step 3 [http://video.pbs.org/video/1607925512/]

Step 3 Watch the video and answer the questions?

What is an example of Newton’s 1\textsuperscript{st} law in the video?

_______________________________________________________

What is an example of Newton’s 2\textsuperscript{nd} law in the video?

_______________________________________________________

What is an example of Newton’s 3\textsuperscript{rd} law in the video?

_______________________________________________________


Step 4 Play the game and answer the following questions

What law is the game based off of?_______________________________________________________

State what that law says:_______________________________________________________

Explain how Newton’s 3\textsuperscript{rd} law applies to this game._______________________________________________________

Explain how Newton’s 1\textsuperscript{st} law applies to this game._______________________________________________________


Step 5 Take the quiz get an 80% or 8 out of 10. Checked off?___________________________

Step 6 Take the quiz get 6 out of 8. Checked off?______________________________

When you are finished go back and play the game in step 4