

Physics Review: Group Presentations.

Due: First week (January 4-8, 2021)

Western International High School

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A) Select the members of your group or go by the selections suggested by last name in alphabetical order.

B) Prepare and plan a review a topic to the class.

C) Assignment will be graded as one grade for the everyone in the group.

D) Topics are as presented in schoology. You are allowed to use the notes and examples we did in class.

1- Vector and Scalar

- a- Distance and displacement
- b- Examples
- c- Other notes

2- Speed and Velocity

- a- Calculation from distance and displacement
- b- Speed and velocity with direction change.
- c- Examples
- d- Other notes

3- Graphing motion

- c- Calculation of speed form distance vs time graph
- b- Calculation of velocity form displacement vs time graph
- c- Examples
- d- Other notes

3- Acceleration

- a- Acceleration calculation
- b- Positive and negative acceleration
- c- Calculation from a graph (velocity versus time)
- d- Examples
- e- Other notes

4- Motion with constant acceleration;

- a- Kinematic equations.
- b- Calculation: Examples.
- c- Other notes.

5- Free Fall

- a- Kinematic equations for free fall
- b- Acceleration for free fall
- c- Calculation: Examples
- d- Other notes.

6- Projectiles

- a- Projectile motion
- b- Kinematic equations for projectiles along the Y axis and X axis
- c- Important facts on projectiles
- d- Projectiles examples with pictures and labels.
- c- Other notes

Good Luck.