

# AP Physics B Video Project

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## Scenario:

You have earned a probationary contract from PBS to produce a television series showing how physics applies to everyday life (Cover at least 3 Units). To keep your contract, you must make three 18" X 24" poster and 5 to 10 minute video in a **legal and safe** way that meets all of the following criteria:

## Objective:

To personally create and present a poster or video that:

- States physics principles and its diagram or equation if there is one.
- Shows 3 pieces of visual evidence of the principle in real world action.
- Explains how each piece of visual evidence demonstrates the principle.
- Video: Features you and partner; Poster: Presented by you and partner.

**Due Date:** June 10. Videos/presentations begin that day.

## Production Group:

Only 1 or 2 students per group, put your name(s) on it.

If more students are in a group, the points will be divided proportionally.

## Warning:

The entire project must be completed in a legal and safe way. The finished video or presentation **must** be appropriate for school viewing.

## Scoring:

The project is worth a total of 50 points + 10 points extra credit.

- 10 points for clearly stating the physics principles and including a labeled diagram or equation that shows and/or defines the variables.
- 10 points for 3 different pictures or video clips as visual evidence. The pictures can be from magazines, a camera, or carefully drawn.
- 10 points for explaining how each picture or video clip demonstrates it.
- 10 points for including you and your partner, if you have one.
- 10 points for 5 to 10 minute presentation (-3 points/min. over or under)
- 10 points for a live demonstration and calculation explaining the demo.

## Video Style:

Ideas include advertisement, infomercial, drama, educational, documentary, newscast, reenactment, historical, futuristic, home video...

## Resources:

Ask Mr. Dove when you have questions. Other Resources:

- 1) Physics textbooks    2) Internet    3) Libraries    4) Colleges

**Getting Started:** Always make sure that you are meeting the objectives.

- 1) Brainstorm/research    2) Plan/find visuals    3) Organize & present.