

## LPHS AP Physics 1 Outreach Learning

April 6, 2020 – April 14, 2020

### PHYS: 11<sup>th</sup> & 12<sup>th</sup> Week of April 6, 2020 – April 14, 2020

Teacher/Team:

If there are any questions, please feel free to email me/us at:

(Email Address of the Teacher)

Link to [TEAMS Folder](#)

Previous Lessons or review:

Link to: (Resources).

Mr. Riegert

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[AP Physics 1 Period 1](#)

[AP Physics 1 Period 2](#)

[AP Physics 1 Period 4](#)

[AP Physics 1 Period 5](#)

Rotational Momentum

[Rotational Energy video](#)

Additional video links maybe assigned through Teams.

UTQuest: <https://quest.cns.utexas.edu/>

## Objectives

Objective / I Can:

- I can make qualitative predictions about rotational energy both as changed by the application of net torque, and its conservation.
- I can make calculations related to rotational energy.
- I can make both qualitative predictions and calculations about simple harmonic motion as presented by a spring-mass system and approximated by a pendulum.

## Activities

Student Activities: (Resources, videos for students to use.)

Go to [Teams Folder](#). Look for the assignment:

(note: I strongly recommend taking notes while viewing academic videos)

1. If needed take a quick look at the review link for rotational motion.
2. View the rotational energy video. Look over the example problems.
3. Complete the UTQuest APP1 rotational energy problems
4. View the simple harmonic motion video, and the example problems.

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5. Complete the UTQuest APP1 harmonic motion exercises.

### Academic/Instructional Support

Schedule:

Teacher Support – TEAMS

Support for each student will be available through TEAMS and Remind.

Office Hours

Office hours: 8am – 12pm M-F, [riegertm@lpisd.org](mailto:riegertm@lpisd.org)

### To Be Graded

Assignments for students to submit to the TEAMS Folder will be :

1. Students will not need to submit the UTQuest rotational energy or SHO assignments in teams as these are graded automatically, and available through UTQuest.

When is it due? All assignment due: April 13, 2020 by 8am.

What assignments will the student submit?

1. UTQuest Rotational Energy Exercises
2. UTQuest Simple Harmonic Motion

How will it be submitted? Through Teams, and UTQuest

Electronically, except by individual arrangement.