

**LPHS Physics Outreach Learning**  
**March 30 – April 3, 2020**

**PHYS: 11<sup>th</sup> & 12<sup>th</sup>    Week of: March 30 – April 3, 2020**

Teacher/Team:

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

*(Email Address of the Teacher)*

[larsone@lpisd.org](mailto:larsone@lpisd.org)

[Period 1](#)

[Period 2](#)

Link to [TEAMS Folder](#)

Previous Lessons:

Kahn Academy: <https://www.youtube.com/watch?v=NXMgvrS8Gr8>

Link to: *(Resources)*.

Electrostatic Force Demos: <https://www.youtube.com/watch?v=ViZNgU-Yt-Y>

## Objectives

Objective / I Can:

- describe and calculate how the magnitude of the electrical force between two objects depends on their charges and the distance between them.
- identify examples of electric and magnetic forces in everyday life.
- characterize materials as conductors or insulators based on their electrical properties.

## Activities

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

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

1. Review your notes as needed prior to starting the Charges Lab activity.
2. Use the Khan Academy video for reference as needed.  
(<https://www.youtube.com/watch?v=NXMgvrS8Gr8>).
3. View and conduct the Charges Lab activity online and complete the student worksheet.
4. Complete the Electric Force and Coulomb's Law worksheet.
5. View the video of Electrostatic Force Demos. Students will be able to replace a "0" or a low grade if they submit a video of themselves conducting an Electrostatic Force demonstration.

## Academic/Instructional Support

## LPHS Physics Outreach Learning

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Schedule:	Teacher Support - TEAMS <i>Support for each student will be available through TEAMS and Remind.</i>
Office Hours	Office hours: 8am -12pm M-F, <a href="mailto:larsenc@lpsd.org">larsenc@lpsd.org</a>
<b>To Be Graded</b>	
Assignment for students to submit to TEAMS Folder: <ol style="list-style-type: none"><li>1. The Charges Lab activity worksheet will be entered as a Daily grade. The assignment is worth 100 points</li><li>2. Electric Force and Coulombs Law worksheet will be entered as a Daily grade. The assignment is worth 100 points.</li></ol>	
When is it due? All assignments due: April 6, 2020 by 8am.	
What assignments will the student submit? <ol style="list-style-type: none"><li>1. Charges Lab activity worksheet</li><li>2. Electric Force and Coulombs Law worksheet</li></ol>	
How will it be submitted?	
Electronically, except by individual arrangement.	