Hays CISD Home Learning

Travis Loy - Jack C. Hays High

AP Physics 1 | On Level Physics

Office Hours/Horas de oficina:

AP Physics 1	Office Hours MWF 10:00am - 11:30am
On Level Physics	Office Hours T, Th 10:00am - 11:00am

Students may access links to Office Hour Zoom Meetings through Google Classroom

Announcements and Important Links/Anuncios y enlaces importantes:
All important links, assignments, and announcements will be posted in Google Classroom.
Take care of yourselves! Work assignments when you have time and reach out with any and all questions - If you can't make it to office hours, email me travis.loy@hayscisd.net or use Remind at any time to ask a question or schedule additional tutoring. Parents, also feel free to reach out via email and we can set up a conference with you and your student as well through Zoom!

Important Links

Khan Academy AP Physics 1

AP Classroom login

Mastering Physics login page

AP Physics 1 College Board Review video playlist

Flipping Physics - AP Physics 1 video list

Bozeman Science - AP Physics 1 -video list

The Physics Classroom and Physics Classroom Interactives - Basic sims

PhET Physics simulations

Hays CISD Home Learning

AP Physics 1

AP Physics 1 - Week of May 18 - May 21 This week's focus is completing the final end of year meme project and wrapping up this eventful year			
Day/ Día	**Objectives/ Objetivos**	**Activities/ Actividades**	**Other Resources/ Otros Recursos**
Monday/ Lunes 5/18/2020	Wrap up the year	• Complete meme project	AP Physics 1 Meme Project
Tuesday/ Martes 5/19/2020		• Meme Project is due	
Wednesday/ Miercoles 5/20/2020			
Thursday/ Jueves 5/21/2020	End of year	• Final Message from Loy in Classroom • Meme slideshow in Classroom	
Friday/ Viernes 5/22/2020	***SUMMER BEGINS!***	***SUMMER BEGINS!***	• Sun • Water • Mask • 6 feet of social distance • Sense of humor and perseverance

Hays CISD Home Learning

AP Physics 1 - Week of May 11 - May 15 This week's focus for everyone taking the exam on Thursday May 14 at 3 PM is going to be on reviewing for the AP Physics 1 Test by self-reviewing, resting, and making sure everything is in place for the test. Otherwise, we have our last assignment of the year listed on Friday for all students			
Day/ Día	Objectives/ Objetivos	Activities/ Actividades	Other Resources/ Otros Recursos
Monday/ Lunes 5/11/2020	Prepare for the AP Test on Thursday	• Read through the AP Exam checklist • Run through AP Exam demo	AP Exam Checklist AP Exam Simulator AP Classroom login
Tuesday/ Martes 5/12/2020	Prepare for the AP Test on Thursday	• Check email for AP Physics e-ticket	
Wednesday/ Miercoles 5/13/2020	Prepare for the AP Test on Thursday	• Prepare your materials for test day using the checklist for reference.	
Thursday/ Jueves 5/14/2020	Prepare for the AP Test on Thursday	• Log in to your exam using your e-ticket 30 minutes beforehand (2:30 PM) • Do your BEST!	
Friday/ Viernes 5/15/2020	End of year assignment	ALL STUDENTS → complete the AP Physics end of year meme project	AP Physics 1 Meme Project

AP Physics 1 - Week of May 04 -May 08

Hays CISD Home Learning

This week's focus is going to be on reviewing for the AP Physics 1 Test by assessing previous units and working on practice FRQs			
Day/ Día	**Objectives/ Objetivos**	**Activities/ Actividades**	**Other Resources/ Otros Recursos**
Monday/ Lunes 5/04/2020 	Assess your knowledge of Forces and Newton's Laws	Assigned AP Classroom • Unit 2 Progress Check FRQ due 5/11 DUE TODAY AP Classroom - Unit 7 Progress Check FRQ	AP Classroom login *Additional help found at* Khan Academy - https://www.khanacademy.org/science/ap-physics-1 Flipping Physics - https://www.flippingphysics.com/algebra.html Bozeman Science - http://www.bozemanscience.com/ap-physics-1-video-list
Tuesday/ Martes 5/05/2020		Work on assignments that have not been completed DUE TODAY • Unit Reviews 5 &/or 6	
Wednesday/ Miercoles 5/06/2020	Assess your knowledge of Energy	Assigned AP Classroom • Unit 4 Progress Check FRQ due 5/11 DUE TODAY Nothing	AP Classroom login
Thursday/ Jueves 5/07/2020		Work on assignments that have not been completed DUE TODAY Nothing	
Friday/ Viernes 5/08/2020	Assess your knowledge of Momentum and Collisions	Assigned AP Classroom • Unit 5 Progress Check FRQ due 5/11 DUE TODAY • Nothing	AP Classroom login

Hays CISD Home Learning

AP Physics 1 - Week of April 27-May 01 This week's focus is going to be on assessing Rotational Kinetic Energy and then practicing Rotation FRQs			
Day/ **Día**	**Objectives/** **Objetivos**	**Activities/** **Actividades**	**Other Resources/** **Otros Recursos**
Monday/ Lunes 4/27/2020	Assess your knowledge of Rotational kinetic Energy	Assigned Mastering Physics • HW#9d Rotation #4 Rotational Kinetic Energy due 5/01 DUE TODAY - Khan Academy assignments - "Rotational Kinetic Energy"	Mastering Physics login page *Additional help found at* Khan Academy - https://www.khanacademy.org/science/ap-physics-1 Flipping Physics - https://www.flippingphysics.com/algebra.html Bozeman Science - http://www.bozemanscience.com/ap-physics-1-video-list
Tuesday/ Martes 4/28/2020	Practice answering Free Response Questions over Rotational concepts similar to what could appear on the AP Exam	AP Classroom -2 Rotational Practice FRQ assignments have been posted - choose one of the 2 to complete (they each have 2 FRQ questions in them) and submit in AP Classroom - learning to be efficient with your writing LEGIBLY and uploading CLEAR pictures of your work in a timely fashion will be important come AP Test day! due 5/04 • DUE TODAY • Nothing	
Wednesday/ Miercoles 4/29/2020	review of concepts from early in the year	Work on Unit Reviews 5 & 6 over the weekend for the AP Test must complete at least one by Tuesday due 5/05	

Hays CISD Home Learning

		Work on assignments that have not been completed - check in during office hours (10-11:30 AM) for assistance Zoom link in Google Classroom DUE TODAY Nothing	
Thursday/ Jueves 4/30/2020		Work on assignments that have not been completed DUE TODAY Nothing	
Friday/ Viernes 5/01/2020		DUE TODAY Mastering Physics • HW#9dRotation #4 Rotational Kinetic Energy	Mastering Physics login page

AP Physics 1 - Week of April 20-24

This week's focus is going to be on Rotational Energy (OUR LAST TOPIC!!) while assessing Angular Momentum and Conservation of Angular Momentum

Day/ Día	Objectives/ Objetivos	Activities/ Actividades	Other Resources/ Otros Recursos
Monday/ Lunes 4/20/2020	Make the connection that rolling objects have 2 kinds of kinetic energy at the same time	In Google Classroom - Read the Rotational Energy reading from the textbook posted - Assigned Mastering Physics • HW#9c Rotation #3 Angular Momentum due 4/24 DUE TODAY - Khan Academy assignments	Rotational Energy textbook reading Mastering Physics login page https://www.khanacademy.org/science/ap-physics-1 (Don't forget to log in to our classroom to see the actual assignment) *Additional videos found at* Khan Academy -

Hays CISD Home Learning

		- "Angular Momentum calculations" - "Angular Impulse Calculations"	https://www.khanacademy.org/science/ap-physics-1 Flipping Physics - https://www.flippingphysics.com/algebra.html Bozeman Science - http://www.bozemanscience.com/ap-physics-1-video-list
Tuesday/ Martes 4/21/2020	Gain a conceptual understanding of rotational energy and how it relates to work and energy concepts earlier in the year. Then practice calculating various quantities associated with the concepts.	Google Classroom -Watch the following videos - Flipping Physics "Rolling without Slipping" and "Rolling down an Incline" -Read through the Rotational notes (handwritten) -Watch the video clip "Toilet Paper Roll Drop" and explain (in theory and practice for AP Test) in a paragraph length answer why the two rolls had to be dropped from different heights in order to land at the same time. DUE TODAY -AP Classroom due 4/21 - Angular Momentum -AP Review pkts 3 &4 • Check AP Review packets from keys in GC and post picture of graded rubric and worked assignment to GC in a Google Doc	Flipping Physics Rolling without slipping video Flipping Physics Rolling Down an Incline video Remaining Rotation notes - Momentum-Conservation-Energy Toilet Paper Roll drop video
Wednesday/ Miercoles 4/22/2020	Review and assess angular momentum in Mastering Physics and Khan Academy and work on incomplete assignments	Khan Academy - Rotational Kinetic Energy **due 4/27** From Google Classroom -Attempt the Rotational Energy problems in the document and check your answers with the 3rd page Work on assignments that have not been completed - check in during office hours (10-11:30 AM) for assistance	https://www.khanacademy.org/science/ap-physics-1 (Don't forget to log in to our classroom to see the actual assignment) Rotational Energy calculations

Hays CISD Home Learning

		Zoom link in Google Classroom DUE TODAY -Khan Academy -Predicting changes in momentum during collisions -Conservation of angular momentum calculations	
Thursday/ Jueves 4/23/2020		Work on Mastering Physics DUE TODAY Nothing	Mastering Physics login page
Friday/ Viernes 4/24/2020	review of concepts from early in the year	Work on Unit Reviews 5 & 6 over the weekend for the AP Test must complete at least one by Tuesday due 4/28 DUE TODAY Mastering Physics • HW#9cbRotation #3 Angular Momentum	Mastering Physics login page

AP Physics 1 - Week of April 13-17

This week's focus is going to be on Angular Momentum and Conservation of Angular Momentum while assessing Rotational Inertia and Newton's 2nd Law

Day/ Día	Objectives/ Objetivos	Activities/ Actividades	Other Resources/ Otros Recursos
Monday/ Lunes 4/13/2020	Complete missing work during Staff Professional Development	Assigned Mastering Physics • HW#9b Rotation #2 Rotational Inertia and Newton's 2nd Law due 4/17 DUE TODAY Khan Academy "Predicting Rotational Inertia" Khan Academy "Angular Acceleration and Angular Second Law"	Mastering Physics login page https://www.khanacademy.org/science/ap-physics-1 (Don't forget to log in to our classroom to see the actual assignment) *Additional videos found at* Khan Academy - https://www.khanacademy.org/science/ap-physics-1

Hays CISD Home Learning

			Flipping Physics - https://www.flippingphysics.com/algebra.html Bozeman Science - http://www.bozemanscience.com/ap-physics-1-video-list
Tuesday/ Martes 4/14/2020	Gain a conceptual understanding of angular momentum and how it relates to momentum as learned earlier in the year focusing on the roles that rotational inertia, angular velocity, and torque have in the concept. Then practice calculating various quantities associated with the concepts.	In Google Classroom - Use the posted note presentation "Angular Momentum Conceptual Physics" to read and take notes over Angular Momentum and Angular Impulse which causes changes in momentum on slides 1-15 - Watch the following videos - Anti-Gravity Wheel - Gyroscopic Precession - Complete Khan Academy assignments - "Angular Momentum calculations" - "Angular Impulse Calculations" DUE TODAY AP Review pkts 1 &2 • Check AP Review packets from keys in GC and post picture of graded rubric and worked assignment to GC in a Google Doc	Angular Momentum note presentation Anti-Gravity Wheel video Gyroscopic Precession video Anti-Gravity Wheel Explained video https://www.khanacademy.org/science/ap-physics-1 (Don't forget to log in to our classroom to see the actual assignment) Additional Resource for deep understanding Dr. Lewin Rolling Motion-Gyroscopes-Precession MIT Lecture
Wednesday/ Miercoles 4/15/2020	Review and assess rotational inertia and Newton's 2nd Law in Mastering Physics and work on incomplete	Work on assignments that have not been completed - check in during office hours (10-11:30 AM) for assistance	

Hays CISD Home Learning

	assignments from yesterday	Zoom link in Google Classroom DUE TODAY Nothing	
Thursday/ Jueves 4/16/2020	Relate Conservation of Momentum from earlier in the year to the topic of Rotation. Identify the relationship between changes in rotational inertia of a system resulting in changes in angular speed in order to maintain a constant angular momentum when no net torque is present	In Google Classroom - Notes - Angular Momentum slides 16-31 (Conservation of Momentum) -List of videos to watch - Physics behind the Perfect Dive - Slow Motion Flipping Cat - Fastest Ice Skating Spin -AP Classroom due 4/21 - Angular Momentum -Khan Academy due 4/22 -Predicting changes in momentum during collisions -Conservation of angular momentum calculations DUE TODAY Nothing	Angular Momentum note presentation The Physics Behind the Perfect Dive video Slow Motion Flipping Cat video Fastest Ice-Skating Spin video https://www.khanacademy.org/science/ap-physics-1 (Don't forget to log in to our classroom to see the actual assignment)
Friday/ Viernes 4/17/2020	review of concepts from early in the year	Work on Unit Reviews 3 & 4 over the weekend for the AP Test must complete at least one by Tuesday due 4/21 DUE TODAY Mastering Physics • HW#9 Rotation #1 Torque and Kinematics	Mastering Physics login page

Hays CISD Home Learning

AP Physics 1 - Week of 4/6 This week's focus is going to be on Rotational Inertia and Newton's 2nd Law while assessing Rotational Kinematics			
Day/ **Día**	**Objectives/** **Objetivos**	**Activities/** **Actividades**	**Other Resources/** **Otros Recursos**
Monday/ Lunes 4/6/2020	Gain a conceptual understanding of rotational inertia and how it relates to inertia as learned earlier in the year	In Classroom, - watch the Walter Lewin video - answer the Google Quiz questions due 4/09 - read through the presentation slides on rotational inertia (slides 1-49) taking notes as needed - complete Khan Academy "Predicting Rotational Inertia" assignment due 4/13 Assigned Mastering Physics ● HW#9 Rotation #1 Torque and Kinematics due 4/10 DUE TODAY Nothing	Walter Lewin Rotational Inertia Google Quiz on Lewin video Presentation link https://docs.google.com/presentation/d/1VRPJ7JnmOiMgts29CI8SpvfF5eWUclcpHGrzGO6vMKM/edit?usp=sharing https://www.khanacademy.org/science/ap-physics-1 (Don't forget to log in to our classroom to see the actual assignment) *Additional videos found at* Khan Academy - https://www.khanacademy.org/science/ap-physics-1 Flipping Physics - https://www.flippingphysics.com/algebra.html Bozeman Science - http://www.bozemanscience.com/ap-physics-1-video-list

Hays CISD Home Learning

Tuesday/ Martes 4/7/2020	Practice rotational kinematics, torque	Work on assignments from last week which are due this week Khan Academy • Using rotational kinematic formulas • Calculating torque • Equilibrium and applied force due 4/7 (today) AP Classroom • AP Classroom Rotational Kinematics Graph Quiz due 4/8 DUE TODAY Khan Academy • Using rotational kinematic formulas • Calculating torque • Equilibrium and applied force	
Wednesday/ Miercoles 4/8/2020	Review and assess rotational inertia and relate prior knowledge of Newton's 2nd Law to rotational situations in order to determine net torques and angular accelerations of systems. This will lay the groundwork for angular momentum which is one of the most commonly tested topics.	Google form - Rotational Inertia Ranking Tasks due 4/09 In Classroom, read through the presentation slides on Newton's 2nd Law slides 50 - 55 Complete Khan Academy -Angular acceleration and angular 2nd Law DUE TODAY AP Classroom • AP Classroom Rotational Kinematics Graph Quiz	Rotational Inertia Ranking Tasks Presentation link https://docs.google.com/presentation/d/1VRPJ7JnmOiMgts29CI8SpvfF5eWUclcpHGrzGO6vMKM/edit?usp=sharing https://www.khanacademy.org/science/ap-physics-1 (Don't forget to log in to our classroom to see the actual assignment)
Thursday/ Jueves 4/9/2020	Practice applying torque and rotational kinematics concepts	Work on assignments from last week which are due this week Mastering Physics • HW#9 Rotation #1 Torque and Kinematics due 4/10	Mastering Physics login page

Hays CISD Home Learning

	Begin review of concepts from early in the year	Work on Unit Reviews 1 &2 over the weekend for the AP Test DUE TODAY Google forms ● Lewin video quiz ● Rotational Inertia Ranking Tasks	
Friday/ Viernes 4/10/2020		DUE TODAY Mastering Physics ● HW#9 Rotation #1 Torque and Kinematics	

Hays CISD Home Learning

Physics

Week of May 18 - May 21 This week's focus is completing any late work from the last 7 weeks and wrapping up this eventful year			
Day/ Día	Objectives/ Objetivos	Activities/ Actividades	Other Resources/ Otros Recursos
Monday/ Lunes 5/18/2020	Wrap up the year	• Complete late work from previous weeks	Google Classroom
Tuesday/ Martes 5/19/2020	Wrap up the year	• Complete late work from previous weeks	Google Classroom
Wednesday/ Miercoles 5/20/2020	Wrap up the year	• Complete late work from previous weeks	Google Classroom
Thursday/ Jueves 5/21/2020	***End of year***	• Final Message from Loy in Classroom	Google Classroom
Friday/ Viernes 5/22/2020	***SUMMER BEGINS!***	***SUMMER BEGINS!***	• Sun • Water • Mask • 6 feet of social distance • Sense of humor and perseverance

Hays CISD Home Learning

Week of: May 9-May 15 Our focus this week is on the difference between series and parallel circuits. Our final topic!!!!			
Day/ **Día**	**Objectives/** **Objetivos**	**Activities/** **Actividades**	**Other Resources/** **Otros Recursos**
Monday/ lunes	P5F investigate and calculate current through, potential difference across, resistance of, and power used by electric circuit elements connected in both series and parallel combinations	Use the Phet simulator and the directions in the Simulator Google Document to experiment and discover some key differences between series and parallel circuits by building them.	PHET Circuit Construction Kit :DC Phet Simulator Circuits document
Tuesday/ martes	P5F investigate and calculate current through, potential difference across, resistance of, and power used by electric circuit elements connected in both series and parallel combinations	Watch the "Physics in Motion" video over series circuits.	GPB Series Circuits video
Wednesday / miercoles	P5F investigate and calculate current through, potential difference across, resistance of, and power used by electric circuit elements connected in both series and parallel combinations	Answer the four (4) Questions to Consider on the 1st page of the Questions to Consider Google Doc which cover series circuits from the GPB video	GPB Series and Parallel Circuits Questions to Consider
Thursday/ jueves	P5F investigate and calculate current through, potential difference across, resistance of, and power used by electric circuit elements connected in both series and parallel combinations	Watch the "Physics in Motion" video over parallel and complex circuits	GPB Parallel and Complex Circuits video
Friday/ viernes	P5F investigate and calculate current through, potential difference across, resistance of, and power used by electric circuit elements connected in both series and parallel combinations	Answer the six (6) Questions to Consider on the 2nd page of the Questions to Consider Google Doc which cover parallel circuits from the GPB video	GPB Series and Parallel Circuits Questions to Consider

Week of: May 2- May 8th
This week's focus will be on how current electricity flows and the beginnings of circuits.

Hays CISD Home Learning

Day/ Día	Objectives/ Objetivos	Activities/ Actividades	Other Resources/ Otros Recursos
Monday/ Lunes 	P5F investigate and calculate current through, potential difference across, resistance of, and power used by electric circuit elements connected in both series and parallel combinations	Visit the "Electric Circuits Vocabulary" Quizlet and study/become familiar with the terms and their definitions. There may be an opportunity for a quiz over these terms next week.	Electric Circuits Vocabulary Quizlet
Tuesday/ martes	P5F investigate and calculate current through, potential difference across, resistance of, and power used by electric circuit elements connected in both series and parallel combinations	Watch the "Physics in Motion" video over Current Electricity	GPB "Current Electricity" Video
Wednesday/ miercoles	P5F investigate and calculate current through, potential difference across, resistance of, and power used by electric circuit elements connected in both series and parallel combinations	Complete the six questions over the video material on your Google Doc as assigned in Google Classroom.. **(To answer on the Google doc, just click on the line below the question and start typing.)**	GPB Current Electricity Questions to Consider
Thursday/ jueves	P5F investigate and calculate current through, potential difference across, resistance of, and power used by electric circuit elements connected in both series and parallel combinations.	Visit the PHET simulation "Circuit Construction Kit: DC" and play with the tools to form circuits which light up a lightbulb. Then, answer the questions on your Google Doc about the simulator: 1. Create a working electric circuit that makes one (1) lightbulb light up. In a sentence describe what you had to do to make it light up and include a screenshot of your circuit. 2. Create a working electric circuit that makes two (2) lightbulbs light up. In a sentence describe what you had to do to make them light up and include a screenshot of your circuit.	Circuit Construction Kit PHET
Friday/ viernes	P5F investigate and calculate current through, potential difference across, resistance of, and power used by electric circuit elements connected in both series and parallel combinations	Submit your google doc.	

Hays CISD Home Learning

Week of: April 27-May 1 This week's focus will be on the difference between generators, motors, engines, and transformers.			
Day/ Día	Objectives/ Objetivos	Activities/ Actividades	Other Resources/ Otros Recursos
Monday/ lunes	P5D. The student knows the nature of forces in the physical world. The student is expected to identify and describe examples of electric and magnetic forces and fields in everyday life such as generators, motors, and transformers	Read the three articles posted in Flexbooks (see links). Pay special attention to the information in the summaries. The videos in the explore more section after the review questions are optional, but are recommended.	Electric Motor reading Generator Reading Transformer Reading
Tuesday/ martes	P5D. The student knows the nature of forces in the physical world. The student is expected to identify and describe examples of electric and magnetic forces and fields in everyday life such as generators, motors, and transformers	Watch the video in the "Physics in Motion" series over Generators and Motors	GPB Generators and Motors Video
Wednesday/ miercoles	P5D. The student knows the nature of forces in the physical world. The student is expected to identify and describe examples of electric and magnetic forces and fields in everyday life such as generators, motors, and transformers	Answer the 9 questions found in the Questions to consider Google Doc in Google Classroom	Generators and Motors video Questions to consider
Thursday/ jueves	P5D. The student knows the nature of forces in the physical world. The student is expected to identify and describe examples of electric and magnetic forces and fields in everyday life such as generators, motors, and transformers	Scavenger hunt: Take a picture of each of the following items that you find in and around your house: electric motor, electric generator, transformer and add them to your Google Doc from yesterday	
Friday/ viernes	P5D. The student knows the nature of forces in the physical world. The student is expected to identify and describe examples of electric and magnetic forces and	Submit for credit the Google Doc with the answers to the "Questions to Consider" and the three pictures from the scavenger hunt	

	fields in everyday life such as generators, motors, and transformers		

Week of: April 20-24			
Day/ Día	**Objectives/ Objetivos**	**Activities/ Actividades**	**Other Resources/ Otros Recursos**
Monday/ lunes	P.5A Describe the concepts of electromagnetic forces	1. Watch the video in the series "Physics in Motion" over Coulomb's Law	Coulomb's Law Video
Tuesday/ martes	P.5C Describe and calculate how the magnitude of the electric force between two objects depends on their charges and the distance between their centers	2. Answer the 8 questions in the Google Doc "Coulomb's Law Questions to Consider" assigned to you in Google Classroom	Coulomb's Law video Questions to consider Google Doc
Wednesday/ miercoles	P.5C Describe and calculate how the magnitude of the electric force between two objects depends on their charges and the distance between their centers	3. Review the attached google slides. Go through slide 34-the end taking notes, AND Review terms and definitions in Quizlet from last week over electrostatics. Be prepared for a quiz over these terms in the future	Electrostatics note Presentation - Google Slides Quizlet Electrostatics
Thursday/ jueves	P.5C Describe and calculate how the magnitude of the electric force between two objects depends on their charges and the distance between their centers	4.Investigate the PHET program "Coulomb's Law" After investigating the "Coulomb's Law" PHET be able to answer the following 4 essential questions. -"What happens to the force between charges when the individual charges increase?" -"What happens to the force between the charges when the individual charges decrease?" -"What happens to force between charges when the distance between them increases?" -"What happens to the force between charges when the distance between them decreases?"	Coulomb's Law PHET

Hays CISD Home Learning

Friday/ viernes	P.5C Describe and calculate how the magnitude of the electric force between two objects depends on their charges and the distance between their centers	5. Complete the Google Form "Coulomb's Law Intro Quiz - Loy copy" and submit. If you do not do well on it, you may try again and submit new answers. (Be sure to review the ones you missed)	Coulomb's Law Intro Google quiz form

Week of: April 13-17 **The focus this week will be on understanding the basics for Electrostatics and electric charges.**			
Day/ Día	**Objectives/ Objetivos**	**Activities/ Actividades**	**Other Resources/ Otros Recursos**
Monday/ lunes	Student Holiday	Staff Development	
Tuesday/ martes	The student knows the nature of forces in the physical world. The student is expected to: (A) describe the concepts of ~~gravitational,~~ electromagnetic , ~~weak nuclear, and strong nuclear~~ forces;	**This week, everything you do will be submitted on the Google Doc that is attached to the assignment in Google Classroom and assigned to you. You will answer all questions on the Google doc itself and turn it in at the end of the week.** **(To answer on the Google doc, just click on the line below the question and start typing. You may want to delete the line. For the drawings - double click on the image and you will be able to edit it in the doc or go to "Insert - Drawing on the menu.)** **If you are having trouble answering the questions on that document, answer on your own paper or Google doc and post either that or the pictures of your paper to the assignment.** 1. Visit the "Magnetism Vocabulary" quizlet from last week and click on the "Test" icon to the left. Take the test. Take a screen shot of your score once you score 85% or better. Insert this screen shot on the 1st page of the Google doc where indicated. You may need to take the test several times before you get to 85%, and , that's OK, just get there. If you have to try more than once, just click	Google Doc with Questions for the week - view only Magnetism Vocabulary Quizlet GPB Introduction to Electricity Video

Hays CISD Home Learning

		"Back" and then click "Test" again. 2. Watch the "Physics in Motion" video called "Introduction to Electricity" and complete the seven questions on the Google doc over the video.	
Wednesday / miercoles	The student knows the nature of forces in the physical world. The student is expected to: (A) describe the concepts of ~~gravitational,~~ electromagnetic, ~~weak nuclear, and strong nuclear~~ forces;	3. Review the attached google slides. Go through slide 21 taking notes, completing the activities (Phet simulations) linked in the presentation, and answering the questions that go with each of the Phet activities in the Google Doc. The links for the online activities can be found to the left in this document and at the end of the Google Classroom post.	Electrostatics note Presentation - Google Slides Charges and Fields Phet Simulation Balloons and Static Electricity Phet Simulation John Travoltage Phet Simulation
Thursday/ jueves	The student knows the nature of forces in the physical world. The student is expected to: (A) describe the concepts of ~~gravitational,~~ electromagnetic, ~~weak nuclear, and strong nuclear~~ forces;	4. Begin studying and becoming familiar with vocabulary words found on the "Electrostatics Vocabulary" Quizlet Set. There may be a quiz over these words in the next few weeks.	Electrostatics Vocabulary Quizlet
Friday/ viernes	The student knows the nature of forces in the physical world. The student is expected to: (A)	5. Watch the "Physics in Motion" video over Static Electricity and compete the seven questions for this video in the Google Doc	GPB "Static Electricity" Video

	describe the concepts of ~~gravitational,~~ electromagnetic, ~~weak nuclear, and strong nuclear~~ forces;		

Physics - Week of 4/06 **This week's focus is going to be on understanding magnetic forces and how they occur**			
Day/ Día	Objectives/ Objetivos	Activities/ Actividades	Other Resources/ Otros Recursos
Monday/ Lunes 4/6/2020	The student knows the nature of forces in the physical world. The student is expected to: (A) describe the concepts of ~~gravitational~~, electromagnetic, ~~weak nuclear, and strong nuclear~~ forces;	1. Look through the posted note presentation (slides 1-24 in Google Classroom while taking notes. Make sure to watch each of the videos that are embedded in the presentation	Magnetism note presentation Magnetism notes video 1 - Compasses Magnetism notes video 2 - Domains Magnetism notes video 3 - Earth is a magnet
Tuesday/ Martes 4/7/2020	The student knows the nature of forces in the physical world. The student is expected to: (A) describe the concepts of ~~gravitational~~, electromagnetic, ~~weak nuclear, and strong nuclear~~ forces;	1. Create a Google doc titled "Magnetism week 1 videos - Your name and period" Then, watch the following videos: a. "Magnets and Magnetic Fields"" from the beginning to 3 min 55 secs. (we will use the rest of it later on) b. Magnets: How do they work" the entire video	Magnets and Magnetic Fields from the beginning to 3:55 Magnets: How do they work

Hays CISD Home Learning

		and write a summary including key terms and knowledge of important concepts and ideas. You will submit your Google doc at the end of the week by turning it into the Google Classroom Classwork Assignment	
Wednesday / Miercoles 4/8/2020	The student knows the nature of forces in the physical world. The student is expected to: (A) describe the concepts of ~~gravitational~~, electromagnetic, ~~weak nuclear, and strong nuclear~~ forces;	3. Study and become familiar with the words in the posted quizlet There may be a quiz of these terms/ideas at a future date.	Quizlet
Thursday/ Jueves 4/9/2020	The student knows the nature of forces in the physical world. The student is expected to: (A) describe the concepts of ~~gravitational~~, electromagnetic, ~~weak nuclear, and strong nuclear~~ forces;	• 4. Watch the video from the series "Physics in Motion" Unit 5 Magnetism and answer the 12 questions in the Questions to Consider" document. Submit these answers in the same Google Doc from # and turn in to Google Classroom..	Physics in Motion Unit 5 Magnetism Physics in Motion Magnetism Questions to Consider
Friday/ Viernes 4/10/2020		Good Friday!!	