



Hays CISD Home Learning

Jones, Andrew

[Introduction to Engineering Design](#)

[Engineering Science / Principles of Engr](#)

[AP Physics C: Mechanics](#)

[AP Physics C: Electricity & Magnetism](#)

Week of: **May 11-15**

Semana: 6-10 de abril

Office Hours/

Horas de oficina: **3:00 - 4:00 pm**

Announcements and Important Links/

Anuncios y enlaces importantes:

[Click Here for Technical Help](#)



Hays CISD Home Learning

Introduction to Engineering Design

Week of: May 11-15			
Day/ Día	Objectives/ Objetivos	Activities/ Actividades	Other Resources/ Otros Recursos
Monday/ lunes	130;402 KS 4A: Master relevant safety tests	OSHA 10-hour General Industry certification:: Optional module, Hand and Power Tools	careersafeonline.com
Tuesday/ martes	130;402 KS 4A: Master relevant safety tests	OSHA 10-hour General Industry certification:: Optional module, Hand and Power Tools	careersafeonline.com
Wednesday/ miercoles	130;402 KS 4A: Master relevant safety tests	OSHA 10-hour General Industry certification:: Optional module, Hand and Power Tools	careersafeonline.com
Thursday/ jueves	130;402 KS 4A: Master relevant safety tests	OSHA 10-hour General Industry certification:: Optional module, Welding	careersafeonline.com
Friday/ viernes	130;402 KS 4A: Master relevant safety tests	OSHA 10-hour General Industry certification:: Optional module, Welding	careersafeonline.com

Week of: May 4 – 8			
Day/ Día	Objectives/ Objetivos	Activities/ Actividades	Other Resources/ Otros Recursos
Monday/ lunes	130;402 KS 4A: Master relevant safety tests	OSHA 10-hour General Industry certification:: Safety and Health Programs	careersafeonline.com



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Tuesday/ martes	130;402 KS 4A: Master relevant safety tests	OSHA 10-hour General Industry certification:: Safety and Health Programs	careersafeonline.com
Wednesday/ miercoles	130;402 KS 4A: Master relevant safety tests	OSHA 10-hour General Industry certification:: Safety and Health Programs	careersafeonline.com
Thursday/ jueves	130;402 KS 4A: Master relevant safety tests	OSHA 10-hour General Industry certification:: GI Final Assessment. Note: Only 3 attempts are allowed on the Final Assessment before the entire course gets reset.	careersafeonline.com
Friday/ viernes	130;402 KS 4A: Master relevant safety tests	OSHA 10-hour General Industry certification:: GI Final Assessment. Note: Only 3 attempts are allowed on the Final Assessment before the entire course gets reset.	careersafeonline.com

Week of: April 27 – May 1			
Day/ Día	Objectives/ Objetivos	Activities/ Actividades	Other Resources/ Otros Recursos
Monday/ lunes	130;402 KS 4A: Master relevant safety tests	OSHA 10-hour General Industry certification:: Safe Driving	careersafeonline.com
Tuesday/ martes	130;402 KS 4A: Master relevant safety tests	OSHA 10-hour General Industry certification:: Safe Driving	careersafeonline.com



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Wednesday/ miercoles	130;402 KS 4A: Master relevant safety tests	OSHA 10-hour General Industry certification:: Preventing Workplace Violence	careersafeonline.com
Thursday/ jueves	130;402 KS 4A: Master relevant safety tests	OSHA 10-hour General Industry certification:: Preventing Workplace Violence	careersafeonline.com
Friday/ viernes	130;402 KS 4A: Master relevant safety tests	OSHA 10-hour General Industry certification:: Preventing Workplace Violence	careersafeonline.com

Week of: April 20-24			
Day/ Día	Objectives/ Objetivos	Activities/ Actividades	Other Resources/ Otros Recursos
Monday/ lunes	130;402 KS 4A: Master relevant safety tests	OSHA 10-hour General Industry certification:: Bloodborne Pathogens	careersafeonline.com
Tuesday/ martes	130;402 KS 4A: Master relevant safety tests	OSHA 10-hour General Industry certification:: Bloodborne Pathogens	careersafeonline.com
Wednesday/ miercoles	130;402 KS 4A: Master relevant safety tests	OSHA 10-hour General Industry certification:: Ergonomics	careersafeonline.com
Thursday/ jueves	130;402 KS 4A: Master relevant safety tests	OSHA 10-hour General Industry certification:: Ergonomics	careersafeonline.com
Friday/ viernes	130;402 KS 4A: Master relevant safety tests	OSHA 10-hour General Industry certification:: Safe Driving (first half)	careersafeonline.com



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Week of: April 13-17			
Day/ Día	Objectives/ Objetivos	Activities/ Actividades	Other Resources/ Otros Recursos
Monday/ lunes	STUDENT HOLIDAY	STUDENT HOLIDAY	STUDENT HOLIDAY
Tuesday/ martes	130;402 KS 4A: Master relevant safety tests	OSHA 10-hour General Industry certification:: Machine Guarding	careersafeonline.com
Wednesday/ miercoles	130;402 KS 4A: Master relevant safety tests	OSHA 10-hour General Industry certification:: Machine Guarding	careersafeonline.com
Thursday/ jueves	130;402 KS 4A: Master relevant safety tests	OSHA 10-hour General Industry certification:: Industrial Hygiene	careersafeonline.com
Friday/ viernes	130;402 KS 4A: Master relevant safety tests	OSHA 10-hour General Industry certification:: Industrial Hygiene	careersafeonline.com

Week of: April 6-10			
Day/ Día	Objectives/ Objetivos	Activities/ Actividades	Other Resources/ Otros Recursos
Monday/ lunes	130;402 KS 4A: Master relevant safety tests	OSHA 10-hour General Industry certification:: Hazard Communication	careersafeonline.com
Tuesday/ martes	130;402 KS 4A: Master relevant safety tests	OSHA 10-hour General Industry certification:: Hazard Communication	careersafeonline.com
Wednesday/ miercoles	130;402 KS 4A: Master relevant safety tests	OSHA 10-hour General Industry certification:: Materials Handling	careersafeonline.com



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Thursday/ jueves	130;402 KS 4A: Master relevant safety tests	OSHA 10-hour General Industry certification:: Materials Handling	careersafeonline.com
Friday/ viernes	SCHOOL HOLIDAY	SCHOOL HOLIDAY	SCHOOL HOLIDAY

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Engineering Science / Principles of Engineering

Week of: May 11-15			
Day/ Día	Objectives/ Objetivos	Activities/ Actividades	Other Resources/ Otros Recursos
Monday/ lunes	130.414 (c) 1 The student demonstrates professional standards/employability skills as required by business and industry.	Choose one of these four and work on the same choice all week. OSHA 10-hour General Industry certification: Safety and Health Programs and Final Assessment. Note: Only 3 attempts are allowed on the Final Assessment before the entire course gets reset. OR 5-hour Career Safe course, "Employability: Interviewing Skills" (email teacher for voucher code) -- complete 90 minutes of the course this week. Students who have been working on this since April 6 should finish the course this week. OR Download a free version of Autodesk Inventor Professional 2019 using a student license and complete one (1) Solid Professor module this week, including at least 2 Guided Exercises or Practice Exercises. OR Complete any activity from Unit 4: Statistics and Kinematics at my.pltw.org	Careersafeonline.com https://www.solidprofessor.com/account/login https://www.autodesk.com/education/free-software/inventor-professional
Tuesday-Friday martes-viernes	Same as above	Same as above	Same as above

Hays CISD Home Learning



Week of: May 4 – 8			
Day/ Día	Objectives/ Objetivos	Activities/ Actividades	Other Resources/ Otros Recursos
Monday/ lunes	<p>130.414 (c) 1</p> <p>The student demonstrates professional standards/employability skills as required by business and industry.</p>	<p>Choose one of these four and work on the same choice all week.</p> <p>OSHA 10-hour General Industry certification: Safe Driving and Preventing Workplace Violence</p> <p>OR</p> <p>5-hour Career Safe course, "Employability: Interviewing Skills" (email teacher for voucher code) -- complete 90 minutes of the course this week. Students who have been working on this since April 6 should finish the course this week.</p> <p>OR</p> <p>Download a free version of Autodesk Inventor Professional 2019 using a student license and complete one (1) Solid Professor module this week, including at least 2 Guided Exercises or Practice Exercises.</p> <p>OR</p> <p>Complete any activity from Unit 4: Statistics and Kinematics at my.pltw.org</p>	<p>Careersafeonline.com</p> <p>https://www.solidprofessor.com/account/login</p> <p>https://www.autodesk.com/education/free-software/inventor-professional</p>
Tuesday– Friday martes– viernes	Same as above	Same as above	Same as above

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Week of: April 27 – May 1			
Day/ Día	Objectives/ Objetivos	Activities/ Actividades	Other Resources/ Otros Recursos
Monday/ Lunes	<p>130.414 (c) 1</p> <p>The student demonstrates professional standards/employability skills as required by business and industry.</p>	<p>Choose one of these four and work on the same choice all week.</p> <p>OSHA 10-hour General Industry certification: Bloodborne Pathogens and Ergonomics</p> <p>OR</p> <p>5-hour Career Safe course, "Employability: Interviewing Skills" (email teacher for voucher code) -- complete 90 minutes of the course this week. Students who have been working on this since April 6 should finish the course this week.</p> <p>OR</p> <p>Download a free version of Autodesk Inventor Professional 2019 using a student license and complete one (1) Solid Professor module this week, including at least 2 Guided Exercises or Practice Exercises.</p> <p>OR</p> <p>Complete any activity from Unit 4: Statistics and Kinematics at my.pltw.org</p>	<p>Careersafeonline.com</p> <p>https://www.solidprofessor.com/account/login</p> <p>https://www.autodesk.com/education/free-software/inventor-professional</p>
Tuesday– Friday martes– viernes	Same as above	Same as above	Same as above

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Week of: April 20-24			
Day/ Día	Objectives/ Objetivos	Activities/ Actividades	Other Resources/ Otros Recursos
Monday/ lunes	130.414 (c) 1 The student demonstrates professional standards/employability skills as required by business and industry.	Choose one of these four and work on the same choice all week. OSHA 10-hour General Industry certification: Machine Guarding, Industrial Hygiene, and the first half of Bloodborne Pathogens OR 5-hour Career Safe course, "Employability: Interviewing Skills" (email teacher for voucher code) -- complete 90 minutes of the course this week. Students who have been working on this since April 6 should be almost finished with the course after this week. OR Download a free version of Autodesk Inventor Professional 2019 using a student license and complete one (1) Solid Professor module this week, including at least 2 Guided Exercises or Practice Exercises. OR Complete any activity from Unit 4: Statistics and Kinematics at my.pltw.org	Careersafeonline.com https://www.solidprofessor.com/account/login https://www.autodesk.com/education/free-software/inventor-professional
Tuesday-Friday martes-viernes	Same as above	Same as above	Same as above

Week of: April 13-17

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Day/ Día	Objectives/ Objetivos	Activities/ Actividades	Other Resources/ Otros Recursos
Monday/ lunes	STUDENT HOLIDAY	STUDENT HOLIDAY	STUDENT HOLIDAY
Tuesday/ martes	130.414 (c) 1 The student demonstrates professional standards/employ ability skills as required by business and industry.	Choose one of these four and work on the same choice all week. Students who have not completed OSHA 10-hour General Industry certification: Hazard Communication & Materials Handling OR 5-hour Career Safe course, "Employability: Interviewing Skills" (email teacher for voucher code) -- complete 90 minutes of the course this week OR Download a free version of Autodesk Inventor Professional 2019 using a student license and complete one (1) Solid Professor module this week, including at least 2 Guided Exercises or Practice Exercises. OR Complete any activity from Unit 4: Statistics and Kinematics at my.pltw.org	Careersafeonline.com https://www.solidprofessor.com/account/login https://www.autodesk.com/education/free-software/inventor-professional
Wednesday/ miercoles	Same as above	Same as above	Same as above
Thursday/ jueves	Same as above	Same as above	Same as above
Friday/	Same as above	Same as above	Same as above

Week of: April 6-10

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Day/ Día	Objectives/ Objetivos	Activities/ Actividades	Other Resources/ Otros Recursos
Monday/ lunes	130.414 (c) 1 The student demonstrates professional standards/employability skills as required by business and industry.	Choose one of these four and work on the same choice all week. Students who have not completed OSHA 10-hour General Industry certification:: Avoiding Electrocution and Personal Protective Equipment OR 5-hour Career Safe course, "Employability: Interviewing Skills" (email teacher for voucher code) -- complete 90 minutes of the course this week OR Download a free version of Autodesk Inventor Professional 2019 using a student license and complete one (1) Solid Professor module this week. OR Complete any activity from Unit 4: Statistics and Kinematics at my.pltw.org	Careersafeonline.com https://www.solidprofessor.com/account/login https://www.autodesk.com/education/free-software/inventor-professional
Tuesday/ martes	Same as above	Same as above	Same as above
Wednesday/ miercoles	Same as above	Same as above	Same as above
Thursday/ jueves	Same as above	Same as above	Same as above
Friday/	SCHOOL HOLIDAY	SCHOOL HOLIDAY	SCHOOL HOLIDAY

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AP Physics C: Mechanics

Week of: May 11-15			
Day/ Día	Objectives/ Objetivos	Activities/ Actividades	Other Resources/ Otros Recursos
Monday/ lunes	AP Physics C Exam	11:00 am	https://myap.collegeboard.org/login
Tuesday/ martes		AP Exam Week: Study and take other AP Exams	
Wednesday/ miercoles		AP Exam Week: Study and take other AP Exams	
Thursday/ jueves		AP Exam Week: Study and take other AP Exams	
Friday/ viernes		AP Exam Week: Study and take other AP Exams	

Week of: May 4 – 8			
Day/ Día	Objectives/ Objetivos	Activities/ Actividades	Other Resources/ Otros Recursos
Monday/ lunes	AP Exam Review: Unit 5: FRQ	Class Zoom Meeting at 2:00 pm Unit 5 FRQ from AP Classroom due at 1:30 pm in Google Classroom	https://myap.collegeboard.org/login
Tuesday/ martes			



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Wednesday/ miercoles	AP Exam Review: Practice Exam	Class Zoom Meeting at 2:00 pm	
Thursday/ jueves			
Friday/ viernes	AP Exam Review: Practice Exam	Class Zoom Meeting at 2:00 pm	

Week of: April 27 – May 1			
Day/ Día	Objectives/ Objetivos	Activities/ Actividades	Other Resources/ Otros Recursos
Monday/ lunes	AP Exam Review: Unit 4: FRQ	Class Zoom Meeting at 2:00 pm Unit 4 FRQ from AP Classroom due at 12:12 pm in Google Classroom	https://myap.collegeboard.org/login
Tuesday/ martes			
Wednesday/ miercoles	AP Exam Review: Unit 5: Rotation	Class Zoom Meeting at 2:00 pm	
Thursday/ jueves	AP Exam Review: Unit 5: Work & Energy	Unit 5 FRQ from AP Classroom due at 11:59 pm in Google Classroom	https://myap.collegeboard.org/login
Friday/ viernes	AP Exam Review: Unit 5: FRQ	Class Zoom Meeting at 2:00 pm	

Week of: April 20-24			
Day/ Día	Objectives/ Objetivos	Activities/ Actividades	Other Resources/ Otros Recursos



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Monday/ lunes	AP Exam Review: Unit 3: Work & Energy	Class Zoom Meeting at 2:00 pm	
Tuesday/ martes	AP Exam Review: Unit 3: Work & Energy	Unit 3 FRQ from AP Classroom due at 11:59 pm in Google Classroom	https://myap.collegeboard.org/login
Wednesday/ miercoles	AP Exam Review: Unit 3: FRQ	Class Zoom Meeting at 2:00 pm	
Thursday/ jueves			
Friday/ viernes	AP Exam Review: Unit 4: Center of Mass & Momentum	Class Zoom Meeting at 2:00 pm	

Week of: April 13-17			
Day/ Día	Objectives/ Objetivos	Activities/ Actividades	Other Resources/ Otros Recursos
Monday/ lunes	STUDENT HOLIDAY	STUDENT HOLIDAY	STUDENT HOLIDAY
Tuesday/ martes			
Wednesday/ miercoles	AP Exam Review: Unit 2: Newton's Laws	Class Zoom Meeting at 2:00 pm	
Thursday/ jueves	AP Exam Review: Unit 2: Newton's Laws	Unit 2 FRQ due at 11:45 pm in Google Classroom	https://myap.collegeboard.org/login
Friday/ viernes	AP Exam Review: Unit 2: Newton's Laws	Class Zoom Meeting at 2:00 pm	

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Week of: April 6-10			
Day/ Día	Objectives/ Objetivos	Activities/ Actividades	Other Resources/ Otros Recursos
Monday/ lunes	AP Exam Review: Unit 1, Kinematics	Class Zoom Meeting at 2:00 pm	
Tuesday/ martes	AP Exam Review: Unit 1, Kinematics	Unit 1 FRQ in AP Classroom due at 11:45 pm	https://myap.collegeboard.org/login
Wednesday/ miercoles	AP Exam Review: Unit 1, Kinematics	Class Zoom Meeting at 2:00 pm	
Thursday/ jueves			
Friday/ viernes	SCHOOL HOLIDAY	SCHOOL HOLIDAY	SCHOOL HOLIDAY

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AP Physics C: Electricity & Magnetism

Week of: May 11-15			
Day/ Día	Objectives/ Objetivos	Activities/ Actividades	Other Resources/ Otros Recursos
Monday/ lunes	AP Physics C: Electricity and Magnetism Exam	1:00 pm	
Tuesday/ martes		AP Exam Week: Study and take other AP Exams	
Wednesday/ miercoles		AP Exam Week: Study and take other AP Exams	
Thursday/ jueves		AP Exam Week: Study and take other AP Exams	
Friday/ viernes		AP Exam Week: Study and take other AP Exams	

Week of: May 4 – 8			
Day/ Día	Objectives/ Objetivos	Activities/ Actividades	Other Resources/ Otros Recursos
Monday/ lunes	AP Exam Review	AP Live lecture: April 20: 2.2 Capacitors (Part 1)	https://www.youtube.com/watch?v=34MfsTRFSeA&list=P4LoGgviqq4845HXjP2hMrCCHw-koPsj7oY&index=14
Tuesday/ martes	AP Exam Review	AP Live lecture: April 21: 2.2 Capacitors (Part 2)	https://www.youtube.com/watch?v=4sCL9oSkox4&list=P4LoGgviqq4845HXjP2hMrCCHw-koPsj7oY&index=13



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Wednesday/ miercoles	AP Exam Review	AP Live lecture: April 23: 3.1 Current and Resistance (Part 1)	https://www.youtube.com/watch?v=xthRY7cUQbQ&list=PLoGgviqq4845HXjP2hMrCCHw-koPsj7oY&index=12
Thursday/ jueves	AP Exam Review	AP Live lecture: April 24: 3.1 Current and Resistance (Part 2)	https://www.youtube.com/watch?v=jZsqobmO1W0&list=PLoGgviqq4845HXjP2hMrCCHw-koPsj7oY&index=11
Friday/ viernes	AP Exam Review	AP Live lecture: April 25: Current, Resistance, and Power (Part 1)	https://www.youtube.com/watch?v=ZKmowctZOIQ&list=PLoGgviqq4845HXjP2hMrCCHw-koPsj7oY&index=10

Week of: April 27–May 1			
Day/ Día	Objectives/ Objetivos	Activities/ Actividades	Other Resources/ Otros Recursos
Monday/ lunes	AP Exam Review	AP Live lecture: April 13: Gauss's Law Conductors and Insulators	https://www.youtube.com/watch?v=jx5DaubexjM&list=PLoGgviqq4845HXjP2hMrCCHw-koPsj7oY&index=14
Tuesday/ martes	AP Exam Review	AP Live lecture: April 14: 1.3 Electric Potential and Electric Potential Energy	https://www.youtube.com/watch?v=-_gT9D7VBRo&list=PLoGgviqq4845HXjP2hMrCCHw-koPsj7oY&index=13
Wednesday/ miercoles	AP Exam Review	AP Live lecture: April 15: Electric	https://www.youtube.com/watch?v=



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		Potential and Electric Potential Energy	Drj8Hh-eXsU&list=PLoGgviqq4845HXjP2hMrCCHw-koPsj7oY&index=12
Thursday/ jueves	AP Exam Review	AP Live lecture: April 16: Ring, Arc, and Uniform Charge Distributions	https://www.youtube.com/watch?v=te3QZoQjaE&list=PLoGgviqq4845HXjP2hMrCCHw-koPsj7oY&index=11
Friday/ viernes	AP Exam Review	AP Live lecture: April 17: Electric Potential of Concentric Conductors	https://www.youtube.com/watch?v=5csSod-bn4&list=PLoGgviqq4845HXjP2hMrCCHw-koPsj7oY&index=10

Week of: April 20-24			
Day/ Día	Objectives/ Objetivos	Activities/ Actividades	Other Resources/ Otros Recursos
Monday/ lunes	AP Exam Review	AP Live lecture: 1.1 Electrostatics-- Charge and Coulomb's Law	https://www.youtube.com/watch?v=X-g7H_LGFco&list=PLoGgviqq4845HXjP2hMrCCHw-koPsj7oY&index=11
Tuesday/ martes	AP Exam Review	AP Live lecture: Charge, Polarization, Electric Fields, Field Lines	https://www.youtube.com/watch?v=bPAafR5ibE&list=PLoGgviqq4845HXjP2hMrCCHw-koPsj7oY&index=15
Wednesday/ miercoles	AP Exam Review	AP Live lecture: 1.2 Electrostatics-- Electric Field due to Point Charges	https://www.youtube.com/watch?v=QX9r5FtxVAK&list=PLoGgviqq4845HXjP2hMrCCHw-koPsj7oY&index=16



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Thursday/ jueves	AP Exam Review	AP Live lecture: Flux and Gauss's Law Uniform Charge Distribution	https://www.youtube.com/watch?v=hlL1ddISIA&list=PLoGgviqq4845HXjP2hMrCCHw-koPsj7oY&index=13
Friday/ viernes	AP Exam Review	AP Live lecture: 1.5 Fields of Other Charge Distributions	https://www.youtube.com/watch?v=nJCNWQIO1BM&list=PLoGgviqq4845HXjP2hMrCCHw-koPsj7oY&index=12

Week of: April 13-17			
Day/ Día	Objectives/ Objetivos	Activities/ Actividades	Other Resources/ Otros Recursos
Monday/ lunes	STUDENT HOLIDAY	STUDENT HOLIDAY	STUDENT HOLIDAY
Tuesday/ martes	AP Exam Review	Free Response Questions from 2009 Released Exam	https://secure-media.collegeboard.org/apc/ap09_frq_physics_cem.pdf
Wednesday/ miercoles	AP Exam Review	Free Response Questions from 2009 Released Exam	
Thursday/ jueves	AP Exam Review	Free Response Questions from 2009 Released Exam	
Friday/ viernes	AP Exam Review	Free Response Questions from 2009 Released	https://secure-media.collegeboard.org/apc/ap09_physi

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Week of: April 6-10			
Day/ Día	Objectives/ Objetivos	Activities/ Actividades	Other Resources/ Otros Recursos
Monday/ lunes	AP Exam Review	Free Response Questions from 2004 Released Exam	https://secure-media.collegeboard.org/apc/ap04_frq_physics_cem_36190.pdf
Tuesday/ martes	AP Exam Review	Free Response Questions from 2004 Released Exam	
Wednesday/ miercoles	AP Exam Review	Free Response Questions from 2004 Released Exam	https://secure-media.collegeboard.org/apc/ap04_sg_physics_c_em.pdf
Thursday/ jueves	AP Exam Review	Free Response Questions from 2004 Released Exam	
Friday/ viernes	SCHOOL HOLIDAY	SCHOOL HOLIDAY	SCHOOL HOLIDAY