PTHS 2026-2027 Lesson Plan Template

From this document, you will be able to see what we are doing in class and what you are responsible for completing outside of class. Click the current week to advance to that week's activities and homework. ***Note:*** *For all linked items, I recommend that you "Open in a new tab." Please also bookmark/favorite this Google Doc URL to easily access this document.*

FALL SEMESTER TABLE OF CONTENTS

WEEK 1: August 27-28, 2026
WEEK 2: August 31-September 4, 2026
WEEK 3: September 7-11, 2026
WEEK 4: September 14-18, 2026
WEEK 5: September 21-25, 2026
WEEK 6: September 28-October 2, 2026
WEEK 7: October 5-9, 2026
WEEK 8: October 12-16, 2026
WEEK 9: October 19-23, 2026
WEEK 10: October 26-30, 2026
WEEK 11: November 2-6, 2026
WEEK 12: November 9-13, 2026
WEEK 13: November 16-20, 2026
WEEK 14: November 23-27, 2026
WEEK 15: November 30-December 4, 2026
WEEK 16: December 7-11, 2026
WEEK 17: December 14-18, 2026
WEEK 18: December 21-25, 2026

SPRING SEMESTER TABLE OF CONTENTS

WEEK 19: January 4-8, 2027
WEEK 20: January 11-15, 2027
WEEK 21: January 18-22, 2027
WEEK 22: January 25-29, 2027
WEEK 23: February 1-5, 2027
WEEK 24: February 8-12, 2027
WEEK 25: February 15-19, 2027
WEEK 26: February 22-26, 2027
WEEK 27: March 1-5, 2027
WEEK 28: March 8-12, 2027
WEEK 29: March 15-19, 2027
WEEK 30: March 22-26, 2027
WEEK 31: March 29-April 2, 2027
WEEK 32: April 5-9, 2027
WEEK 33: April 12-16, 2027
WEEK 34: April 19-23, 2027
WEEK 35: April 26-30, 2027
WEEK 36: May 3-7, 2027
WEEK 37: May 10-14, 2027
WEEK 38: May 17-21, 2027
WEEK 39: May 24-28, 2027

WEEK 1: August 27-28, 2026

DAY	OBJECTIVES	CLASSROOM ACTIVITY	ASSIGNMENT
Thursday, August 27	• Classroom procedures & policies	• Presentation on classroom procedures & policies	Take home class syllabus & share with parents
Friday, August 28	• Classroom procedures/policies	• Fire Drill/Lockdown/Severe Weather procedures • "Mystery Block" Scientific Thinking & Process Activity	Class syllabus Parent Sign-Off

WEEK 2: August 31-September 4, 2026

DAY	OBJECTIVES	CLASSROOM ACTIVITY	ASSIGNMENT
Monday, August 31	• Define science & Describe scientific process • Identifying variables in scientific experiments	• Class Discussion on Scientific Process Evidence→Reasoning • Group analysis of "Mystery Block" activity & Final Conclusions	• Class syllabus Google Form Due Tonight
Tuesday, September 1	• Define science & Describe scientific process • Identify & describe basic lab safety practices	• Lab Safety Tutorial & Analysis	• Finish Lab safety if not done in class
Wednesday, September 2	• Identifying variables in scientific experiments • Graphing variables & analyzing data from scientific experiments	• Scientific Process Review - Hypothesis Writing Practice • Discussion on variables & Experimental design	• Finish Science Scenario WS if not done in class

Thursday, September 3	• Graphing variables & analyzing data from scientific experiments	• Variables & Experimental Design Discussion • Data Collection Lab - "Sledding Science: Does Mass Matter"	• none
Friday, September 4	• Graphing variables & analyzing data from scientific experiments	• Finish Data Collection & Analysis for lab • Creating & analyzing scientific graphs activity (graphing 101)	• **none**

WEEK 3: September 7-11, 2026

DAY	OBJECTIVES	CLASSROOM ACTIVITY	ASSIGNMENT
Monday, September 7		No School (Labor Day)	
Tuesday, September 8	• Identifying variables & analyzing data from scientific experiments	• Review Data from Lab • Analyze the Scientific Process Activity: "Did students save Astronauts Lives"	• **Finish Scientific Process Analysis Worksheet if not done in class**
Wednesday, September 9	• Identifying variables & analyzing data from scientific experiments	• Notes & Discussion on Controlled Experiments • Graphing in Science Practice	• *Scientific Process & Variable ID Wayground*
Thursday, September 10	• Identifying variables & analyzing data from scientific experiments	• Finish Discussion on Controlled Experiments & graphing • Variable ID Task Card Activity	• *TBD*
Friday, September 11	• Identifying variables & analyzing data from scientific experiments	• Quiz: Scientific Process & Controlled Experiments (variable ID) • Introduction to Physics "Describing Motion" - Phenomenon	• **none**

WEEK 4: September 14-18, 2026

DAY	OBJECTIVES	CLASSROOM ACTIVITY	Practice/Assignment
Monday, September 14	• Explore how to describe positon & motion of objects. • Analyze data & construct arguments about the changes over time in the motion of objects	• Describing Motion ○ Phenomena - "Are you Moving?" • Reference Points Launch Activity	• *Finish Reference point launch activity questions if not done in class*
Tuesday, September 15	• Explore how to describe positon & motion of objects. • Analyze data & construct arguments about the changes over time in the motion of	• Notes & discussion - Reference Points and Motion • Relative Motion examples	• **Reference Point video assignment**

	objects		
Wednesday, September 16	• Describe how reference points are important in describing the positon & motion of objects • Analyze data & construct arguments about the changes over time in the motion of objects	• Distance vs. Displacement Phenomena "how far did you go" • Physics Walk Distance/Displacement Activity	• Finish practice problems if not done in class
Thursday, September 17	• Analyze data & construct arguments about the changes over time in the motion of objects • Calculate distance & displacement	• Review Distance & displacement • Notes & discussion • Distance & Displacement practice problems	• none
Friday, September 18 **Early Dismissal (½ day in-service)**	• Analyze data & create scientific graphs tracking the changes over time in the motion of objects	• Review distance & displacement practice • Distance vs. Displacement Lab Activity	• none

WEEK 5: September 21-25, 2026

DAY	OBJECTIVES	CLASSROOM ACTIVITY	ASSIGNMENT
Monday, September 21	• Analyze data & create scientific graphs tracking the changes over time in the motion of objects	• Finish Distance vs. Displacement Lab Activity • Activity "be the fastest" Wind-up toy physics -Observing & describing motion(data collection)	• "Distance & Displacement" Wayground
Tuesday, September 22	• Analyze data & construct arguments about the changes over time in the motion of objects • Calculate distance & displacement	• Activity "be the fastest" Wind-up toy physics - speed calculations and graphing • Interpreting Distance vs. Time Graphs Video assignment	• Finish wind-up toy graph & analysis question if not done in class
Wednesday, September 23	• Analyze data & construct arguments about the changes over time in the motion of objects • Construct distance vs. time graphs illustrating how an object changes position over time	• Notes & Discussion Speed, Velocity & Distance vs. Time graph • Interpreting distance time graph practice	• distance time graph practice if not done during class
Thursday, September 24	• Analyze data & construct arguments about the changes over time in the motion of objects	• Review Distance vs. Time Graphs • Distance vs. Time Graph Challenge	• none

	• Analyze graphs to calculate speed and describe changes in an object motion over time		
Friday, September 25	• Analyze data & construct arguments about the changes over time in the motion of objects • Analyze graphs to calculate speed and describe changes in an object motion over time	• Finish Notes on Speed & Velocity • Lab Investigation "Graphing Speed of Different Motions" Data Collection & Analysis	• Speed, Velocity & Distance Time Graph Wayground (Due Tuesday)

WEEK 6: September 28-October 2, 2026

DAY	OBJECTIVES	CLASSROOM ACTIVITY	ASSIGNMENT
Monday, September 28	• Analyze data & construct arguments about the changes over time in the motion of objects • Analyze graphs to calculate speed and describe changes in an object motion over time	• Finish notes on Speed & velocity • Foldable Study Guide	• Speed, Velocity & Distance Time Graph Wayground (2 attempts)
Tuesday, September 29	• Analyze data & construct arguments about the changes over time in the motion of objects • Analyze graphs to calculate speed and describe changes in an object motion over time	• Class Review • Work on Foldable study guide	• Wayground Review (unlimited attempts - not graded)
Wednesday, September 30	• Analyze data & construct arguments about the changes over time in the motion of objects • Analyze graphs to calculate speed and describe changes in an object motion over time	• TEST: Describing Position & Motion of objects (Displacement, Speed & Distance vs. Time Graphs)	• None
Thursday, October 1	• Describe how balanced & unbalanced forces affect the motion of an object • Differentiate between contact and non-contact forces, Calculate Net Force	• Discover the Phenomena Space Shuttle Launch & Launch Lab - "Cause & Effect - How Motion Occurs"	• Finish Space Shuttle Launch Exit ticket if not done in class
Friday, October	• Develop and use	• Review Phenomena Activities	• none

2	models to show how balanced & unbalanced forces (net force) affect the motion of an object • Differentiate between contact and non-contact forces, Calculate Net Force	• Launch & Launch Lab - "Cause & Effect - How Motion Occurs" • PhET Virtual Lab Activity - Basics of Motion Part 1	

WEEK 7: October 5-9, 2026

DAY	OBJECTIVES	CLASSROOM ACTIVITY	ASSIGNMENT
Monday, October 5	• Develop and use models to show how balanced & unbalanced forces (net force) affect the motion of an object • Differentiate between contact and non-contact forces, Calculate Net Force	• Review Phenomena Activities • PhET Virtual Lab Activity - Basics of Motion Part 1	• PhET Virtual Lab Activity - Basics of Motion Part 1
Tuesday, October 6	• Develop and use models to show how balanced & unbalanced forces (net force) affect the motion of an object • Differentiate between contact and non-contact forces, Calculate Net Force	• Notes & Discussion types of forces & Modeling Forces • Spring Balance Practice	• none
Wednesday, October 7	• Develop and use models to show how balanced & unbalanced forces (net force) affect the motion of an object • Explore an objects Inertia and how mass and velocity affect it	• Finish Notes & Discussion on Forces and Motion & Modeling Forces • Net Force Calculation Practice • Virtual Science Activity "Balanced vs. Unbalanced Forces"	• Balanced vs. Unbalanced Forces Concept Check Tutorial - google classroom
Thursday, October 8	• Explore an objects Inertia and how mass and velocity affect it	• Newton's 1st Law introduction mini lab • "Free-Fall" Science World Article	tbd

Friday, October 9	• Explore an objects Inertia and how mass and velocity affect it	• Physics of Skydiving "Freefall" Google Form Assignment • Net Force Scavenger Hunt Activity	none

WEEK 8: October 12-16, 2026

DAY	OBJECTIVES	CLASSROOM ACTIVITY	ASSIGNMENT
Monday, October 12		No School (In-Service Day)	
Tuesday, October 13	• Develop and use models to show how balanced & unbalanced forces (net force) affect the motion of an object • Explore an objects Inertia and how mass and velocity affect it	• Discussion "Newton's First Law - Stemonstration - Will it work in space? • Part 2 PhET Virtual Lab "Newton's First Law - inertia & momentum"	• Finish Part 2 of Virtual Lab
Wednesday, October 14	• Develop and use models to show how balanced & unbalanced forces (net force) affect the motion of an object • Explore an objects Inertia and how mass and velocity affect it	• Finish Notes & Discussion "Newton's First Law"	• Finish practice problems on back of today's notes "Newton's 1st Law"
Thursday, October 15	• Describe the effect of friction on objects motion	• Review Practice Problems for Newton's 1st Law • Part 3 PhET Virtual Lab "Newton's First Law - friction"	• Wayground - Newton's First Law "Balanced & Unbalanced Forces"
Friday, October 16	• Describe the effect of friction on objects motion	• Review PhET "Friction" lab • Science World "MUD:The Magic Ingredient for Better Grip" article & assignment	• Google form: MUD:The Magic Ingredient for Better Grip" article & assignment

WEEK 9: October 19-23, 2026

DAY	OBJECTIVES	CLASSROOM ACTIVITY	ASSIGNMENT

Monday, October 19	• Identify the variables that affect gravitational force	• Gravitation Interactive Lab	• Finish Lab if not finished in class
Tuesday, October 20	• Describe the effect of friction on objects motion • Identify the variables that affect gravitational force	• Notes & Discussion on Friction & Gravity	• tbd

Wednesday, October 21	• Describe the effect of friction on objects motion
	• Identify the variables that affect gravitational force
		• Finish Notes & Discussion on Gravity & Friction
		• Create 3 tab Foldable Study Guide
		  ○ Net Force
		  ○ Newton's First Law
		  ○ Friction & Gravity
			• Wayground Review Assignment (unlimited attempts)

Thursday, October 22	• Describe the effect of friction on objects motion • Identify the variables that affect gravitational force	• Class Review • Work on Foldable study guide	• Finish Foldable Study Guide
Friday, October 23	• TEST: Forces & Newton's First Law of Motion	• TEST: Forces & Newton's First Law of Motion	• none

WEEK 10: October 26-30, 2026

DAY	OBJECTIVES	CLASSROOM ACTIVITY	ASSIGNMENT
Monday, October 26	• Students will investigate and analyze data exploring the relationship between Force, Mass & Acceleration of objects	• Newton's Second Law Launch Lab "How does Force & Mass affect Acceleration"	• Finish Lab if not done in class
Tuesday, October 27	• Students will investigate and analyze data exploring the relationship between Force, Mass & Acceleration of objects	• Review Lab activity • Notes & discussion on Newton's 2nd Law	• none
Wednesday, October 28	• Students will investigate and analyze data exploring the relationship between Force, Mass & Acceleration of objects	• F = ma - Newton's Second Law Math Connection • Circular Motion & Centripetal Force Activity & Discussion	• Finish Circular Motion activity if not finished in class
Thursday, October 29	• Students will investigate and analyze data exploring the relationship between Force, Mass & Acceleration of objects	• Centripetal Force Lab "How does centripetal force affect the Velocity of a Satellite"	• Newton's Second Law Wayground (2 attempts)

Friday, October 30	• Students will investigate and analyze data exploring the relationship between Force, Mass & Acceleration of objects	• Centripetal Force Lab "How does centripetal force affect the Velocity of a Satellite"	• **tbd**

WEEK 11: November 2-6, 2026

DAY	OBJECTIVES	CLASSROOM ACTIVITY	ASSIGNMENT
Monday, November 2	• Students will explore and create models showing how the force exerted by one object will cause a force to an equal and opposite force to act on it	• FINISH Centripetal Force Lab Analysis • Newton's 3rd Law video Introduction	• *Finish Video Sheet if not done in class*
Tuesday, November 3	• Students will explore and create models showing how the force exerted by one object will cause a force to an equal and opposite force to act on it	• Notes/Discussion "Uniform Circular Motion & Centripetal Force" • Introduction to Newton's 3rd Law	• *Exit Ticket (Newton's 3rd law)*
Wednesday, November 4	• Students will explore and create models showing how the force exerted by one object will cause a force to an equal and opposite force to act on it	• Collisions & Momentum Lab •	• none
Thursday, November 5	• Students will explore and create models showing how the force exerted by one object will cause a force to an equal and opposite force to act on it	• Notes & Discussion "Newton's 3rd Law & Collisions" • Collisions & Momentum Lab (cont)	• Newton's 3rd Law & Collisions Wayground
Friday, November 6	• Students will explore and create models showing how the force exerted by one object will cause a force to an equal and opposite force to act on it	• Science World Article: "DART - Averting Disaster"	• **DART: Averting Disaster Google Form**

WEEK 12: November 9-13, 2026

DAY	OBJECTIVES	CLASSROOM ACTIVITY	ASSIGNMENT
Monday, November 9		No School (In-Service Day)	
Tuesday, November 10		No School (In-Service Day)	
Wednesday, November 11	•	•	
Thursday, November 12	•	•	
Friday,			

November 13			

WEEK 13: November 16-20, 2026

DAY	OBJECTIVES	CLASSROOM ACTIVITY	ASSIGNMENT
Monday, November 16	•		
Tuesday, November 17	•	•	
Wednesday, November 18	•	•	
Thursday, November 19	•	•	
Friday, November 20	•		

WEEK 14: November 23-27, 2026

DAY	OBJECTIVES	CLASSROOM ACTIVITY	ASSIGNMENT
Monday, November 23	•	•	
Tuesday, November 24	•	•	
Wednesday, November 25 **Early Dismissal (½ day in-service)**	•		
Thursday, November 26		No School	
Friday, November 27		No School	

WEEK 15: November 30-December 4, 2026

DAY	OBJECTIVES	CLASSROOM ACTIVITY	ASSIGNMENT
Monday, November 30		No School	
Tuesday, December 1	•	•	
Wednesday, December 2	•		
Thursday, December 3	•		
Friday, December 4	•		

WEEK 16: December 7-11, 2026

DAY	OBJECTIVES	CLASSROOM ACTIVITY	ASSIGNMENT
Monday, December 7			
Tuesday, December 8	•	•	
Wednesday, December 9	•	•	•
Thursday, December 10	•	•	•
Friday, December 11	•	•	

WEEK 17: December 14-18, 2026

DAY	OBJECTIVES	CLASSROOM ACTIVITY	ASSIGNMENT
Monday, December 14	•	•	
Tuesday, December 15	•	•	
Wednesday, December 16	•	•	
Thursday, December 17	•	•	
Friday, December 18	•		

WEEK 18: December 21-25, 2026

DAY	OBJECTIVES	CLASSROOM ACTIVITY	ASSIGNMENT
Monday, December 21		•	
Tuesday, December 22		•	
Wednesday, December 23 **Early Dismissal (½ day in-service)**		•	
Thursday, December 24		No School	
Friday, December 25		No School	

WEEK 19: January 4-8, 2027

DAY	OBJECTIVES	CLASSROOM ACTIVITY	ASSIGNMENT
Monday, January 4			
Tuesday, January 5			
Wednesday, January 6			
Thursday, January 7			
Friday, January 8			

WEEK 20: January 11-15, 2027

DAY	OBJECTIVES	CLASSROOM ACTIVITY	ASSIGNMENT
Monday, January 11			
Tuesday, January 12			
Wednesday, January 13			
Thursday, January 14			
Friday, January 15			

WEEK 21: January 18-22, 2027

DAY	OBJECTIVES	CLASSROOM ACTIVITY	ASSIGNMENT
Monday, January 18		No School: In-Service Day	
Tuesday, January 19			
Wednesday, January 20			
Thursday, January 21			
Friday, January 22			

WEEK 22: January 25-29, 2027

DAY	OBJECTIVES	CLASSROOM ACTIVITY	ASSIGNMENT
Monday, January 25			
Tuesday,			

January 26			
Wednesday, January 27			
Thursday, January 28			
Friday, January 29			

WEEK 23: February 1-5, 2027

DAY	OBJECTIVES	CLASSROOM ACTIVITY	ASSIGNMENT
Monday, February 1			
Tuesday, February 2			
Wednesday, February 3			
Thursday, February 4			
Friday, February 5			

WEEK 24: February 8-12, 2027

DAY	OBJECTIVES	CLASSROOM ACTIVITY	ASSIGNMENT
Monday, February 8			
Tuesday, February 9			
Wednesday, February 10			
Thursday, February 11			
Friday, February 12			

WEEK 25: February 15-19, 2027

DAY	OBJECTIVES	CLASSROOM ACTIVITY	ASSIGNMENT
Monday, February 15		No School	
Tuesday, February 16			
Wednesday, February 17			
Thursday, February 18			

Friday, February 19			

WEEK 26: February 22-26, 2027

DAY	OBJECTIVES	CLASSROOM ACTIVITY	ASSIGNMENT
Monday, February 22			
Tuesday, February 23			
Wednesday, February 24 **Early Dismissal (½ day in-service)**			
Thursday, February 25			
Friday, February 26			

WEEK 27: March 1-5, 2027

DAY	OBJECTIVES	CLASSROOM ACTIVITY	ASSIGNMENT
Monday, March 1			
Tuesday, March 2			
Wednesday, March 3			
Thursday, March 4			
Friday, March 5			

WEEK 28: March 8-12, 2027

DAY	OBJECTIVES	CLASSROOM ACTIVITY	ASSIGNMENT
Monday, March 8			
Tuesday, March 9			
Wednesday, March 10			
Thursday, March 11			
Friday,			

March 12			

WEEK 29: March 15-19, 2027

DAY	OBJECTIVES	CLASSROOM ACTIVITY	ASSIGNMENT
Monday, March 15			
Tuesday, March 16			
Wednesday, March 17			
Thursday, March 18			
Friday, March 19			

WEEK 30: March 22-26, 2027

DAY	OBJECTIVES	CLASSROOM ACTIVITY	ASSIGNMENT
Monday, March 22			
Tuesday, March 23			
Wednesday, March 24			
Thursday, March 25		No School	
Friday, March 26		No School	

WEEK 31: March 29-April 2, 2027

DAY	OBJECTIVES	CLASSROOM ACTIVITY	ASSIGNMENT
Monday, March 29		No School	
Tuesday, March 30		No School	
Wednesday, March 31			
Thursday, April 1			
Friday, April 2			

WEEK 32: April 5-9, 2027

DAY	OBJECTIVES	CLASSROOM ACTIVITY	ASSIGNMENT

Monday, April 5			
Tuesday, April 6			
Wednesday, April 7			
Thursday, April 8			
Friday, April 9			

WEEK 33: April 12-16, 2027

DAY	OBJECTIVES	CLASSROOM ACTIVITY	ASSIGNMENT
Monday, April 12			
Tuesday, April 13			
Wednesday, April 14			
Thursday, April 15			
Friday, April 16			

WEEK 34: April 19-23, 2027

DAY	OBJECTIVES	CLASSROOM ACTIVITY	ASSIGNMENT
Monday, April 19			
Tuesday, April 20			
Wednesday, April 21			
Thursday, April 22			
Friday, April 23			

WEEK 35: April 26-20, 2027

DAY	OBJECTIVES	CLASSROOM ACTIVITY	ASSIGNMENT
Monday, April 26			
Tuesday, April 27			
Wednesday,			

April 28			
Thursday, April 29			
Friday, April 30			

WEEK 36: May 3-7, 2027

DAY	OBJECTIVES	CLASSROOM ACTIVITY	ASSIGNMENT
Monday, May 3			
Tuesday, May 4			
Wednesday, May 5			
Thursday, May 6			
Friday, May 7		No School: In-Service Day	

WEEK 37: May 10-14, 2027

DAY	OBJECTIVES	CLASSROOM ACTIVITY	ASSIGNMENT
Monday, May 10			
Tuesday, May 11			
Wednesday, May 12			
Thursday, May 13			
Friday, May 14			

WEEK 38: May 17-21, 2027

DAY	OBJECTIVES	CLASSROOM ACTIVITY	ASSIGNMENT
Monday, May 17			
Tuesday, May 18			
Wednesday, May 19			
Thursday, May 20			
Friday, May 21			

WEEK 39: May 24-28, 2027

DAY	OBJECTIVES	CLASSROOM ACTIVITY	ASSIGNMENT
Monday, May 24			
Tuesday, May 25			
Wednesday, May 26			
Thursday, May 27			
Friday, May 28 **Early Dismissal (½ day in-service)**			