Course at a Glance

Plan

The course at a glance provides a useful visual organization of the AP Physics C: Mechanics curricular components, including:

- Sequence of units, along with approximate weighting and suggested pacing.
 Please note, pacing options are provided for teaching the course in a single semester or a full year.
- Progression of topics within each unit.
- Spiraling of the big ideas and skills across units

Teach

SCIENCE PRACTICES

Science practices are spiraled throughout the course.



INT Force Interactions CON Conservation

Assess

Assign the Personal Progress Checks—either as homework or in class—for each unit. Each Personal Progress Check contains formative multiplechoice and free-response questions. The feedback from the Personal Progress Checks shows students the areas where they need to focus.



Two Dimensions

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Personal Progress Check 1

Multiple-choice: ~15 questions Free-response: 1 question

Personal Progress Check 2

Multiple-choice: ~25 questions Free-response: 1 question



Systems of Particles and UNIT 4 Linear Momentum ~10/~20 Class Periods 14–17[%] AP Exam Weighting СНА 4.1 Center of Mass 6 INT 4.2 Impulse and Momentum +CON **4.3** Conservation of Linear Momentum, Collisions +

Rotation				
-10	/~2	Class Periods	14–20 [%] AP Exam Weighting	
INT 2 3 CHA 5	5.1 Torque and Rotational Statics5.2 Rotational Kinematics			
INT +	5.3	i.3 Rotational Dynamics and Energy		
CON +	5.4	Angula and Its	r Momentum Conservation	

Personal Progress Check 3

Multiple-choice: ~20 questions Free-response: 1 question

Personal Progress Check 4

Multiple-choice: ~15 questions Free-response: 1 question

Personal Progress Check 5

Multiple-choice: ~20 questions Free-response: 1 question





Gravitation					
~5/~10 Class	6-14% AP Exam				
Periods	Weighting				
FLD 7.1 Gravitational Forces +					
CON 7.2 Orbits	of Planets and				
+ Satelli	ites				

Personal Progress Check 6

Multiple-choice: ~10 questions Free-response: 1 question

Personal Progress Check 7

Multiple-choice: ~10 questions Free-response: 1 question