

AP[®] Physics 1

Your Course at a Glance

Plan

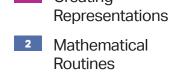
The Course at a Glance provides a useful visual organization for the AP Physics 1 course components, including:

- Sequence of units, along with approximate weighting and suggested pacing. Please note, pacing is based on 45-minute class periods, meeting five days each week for a full academic year.
- Progression of topics within each unit.
- Spiraling of the science practices across units.

Teach

PRACTICES

Creating

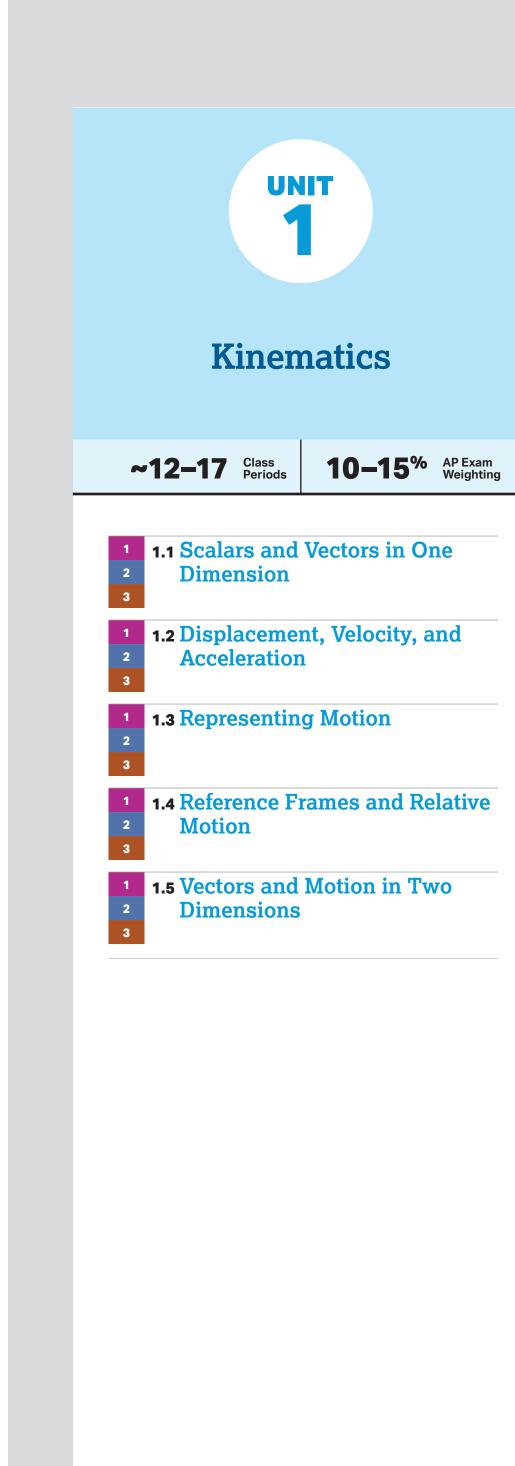


Required Course

Each topic contains required Learning Objectives and Essential Knowledge Statements that form the basis of the assessment on the AP Exam.

Assess

Assign the Progress Checks—either as homework or in class—for each unit. Each Progress Check contains formative multiple-choice and freeresponse questions. The feedback from these checks shows students the areas where they need



UNIT

3 Scientific Argumentation

Questioning and

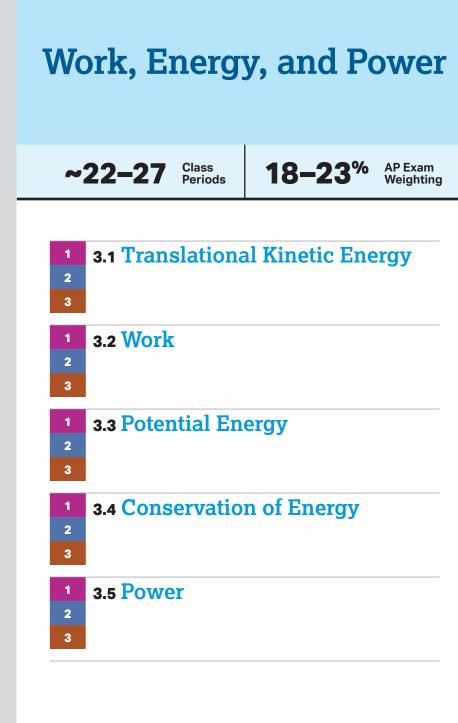
2.1 Systems and Center of Mass 2.2 Forces and Free-Body 2.3 Newton's Third Law 2.4 Newton's First Law 2.5 Newton's Second Law 2.6 Gravitational Force 2.7 Kinetic and Static Friction 2.8 Spring Forces

UNIT

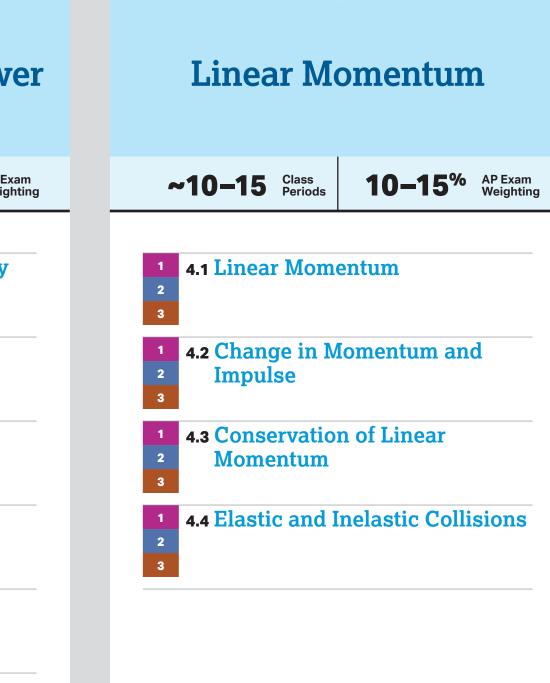
Force and Translational

Dynamics

~22-27 Class Periods 18-23% AP Exam Weighting



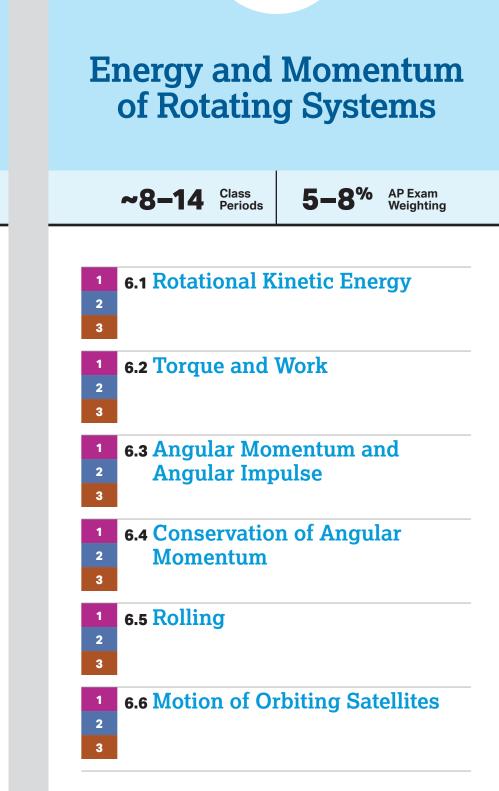
UNIT



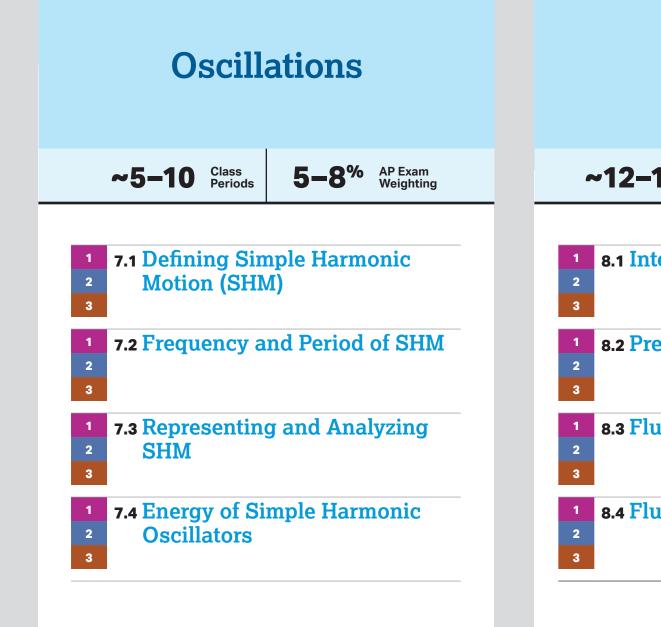
UNIT



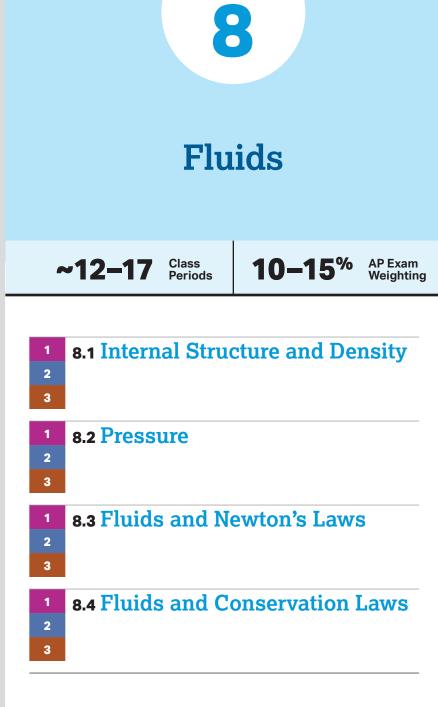
UNIT



UNIT



UNIT



UNIT

Progress Check 1

Multiple-choice: ~18 questions Free-response: 4 questions

- Mathematical Routines
- Translation Between Representations
- Experimental Design and Analysis
- Qualitative/Quantitative Translation

Progress Check 2

Multiple-Choice: ~30 questions Free-Response: 4 questions

2.9 Circular Motion

- Mathematical Routines
- Translation Between Representations
- Experimental Design and Analysis Qualitative/Quantitative Translation

Progress Check 3

Multiple-Choice: ~18 questions Free-Response: 4 questions

- Mathematical Routines
- Translation Between Representations
- Experimental Design and Analysis Qualitative/Quantitative Translation

Progress Check 4

Multiple-Choice: ~18 questions

- Free-Response: 4 questions Mathematical Routines
- Translation Between Representations
- Experimental Design and Analysis Qualitative/Quantitative Translation

Progress Check 5 Multiple-Choice: ~18 questions

- Free-Response: 4 questions
- Mathematical Routines
- Translation Between Representations
- Experimental Design and Analysis

Qualitative/Quantitative Translation

Progress Check 6 Multiple-Choice: ~18 questions

Free-Response: 4 questions

- Mathematical Routines
- Experimental Design and Analysis
- Qualitative/Quantitative Translation

Translation Between Representations

Translation Between Representations Qualitative/Quantitative Translation

Progress Check 7

Mathematical Routines

Experimental Design and Analysis

Multiple-Choice: ~18 questions

Free-Response: 4 questions

Progress Check 8

Multiple-Choice: ~18 questions Free-Response: 4 questions

 Mathematical Routines Translation Between Representations

- Experimental Design and Analysis
- Qualitative/Quantitative Translation

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