



Pre-Built Course: Conceptual Astronomy

We offer pre-built courses for all of our titles. A pre-built course works well when using Conceptual Academy much like the video version of a traditional textbook. Your students will have access to all the content listed within this pre-built course (see below). This provides flexibility from one semester to the next. For each semester you might direct students to be responsible for only select lessons or chapter sections.

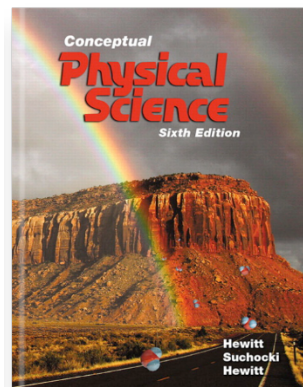
Once a pre-built course is uploaded to your instructor's account, you can modify it as you see fit to "make it your own". This includes updating the FYI pages and setting dates for each lesson so that students know what to study by when. You can also remove select chapter sections you are not wanting students to see.

For a Conceptual Academy course aligned more precisely to a particular class schedule, we recommend you contact us to request a customized course. To learn more about customizing your course, please look to the help documents within your instructor profile page.

Conceptual Physical Science, 6e

Syllabus: Astronomy
6 Units; 25 Lessons
74 Videos

Unit : A: The Solar System
Unit : B: The Laws of Newton
Unit : C: Gravity and Satellites
Unit : D: The Atomic Nucleus
Unit : E: Stars and Galaxies
Unit : F: The Universe



Unit : A: The Solar System

Lesson 1 (your date)

FYI page
26.1 The Solar System and its Formation
26.2 The Sun
Lesson Reading Quiz
Homework Practice Session

Lesson 2 (your date)

FYI page
26.3 The Inner Planets
26.4 The Outer Planets

Lesson Reading Quiz
Homework Practice Session

Lesson 3 (your date)

FYI page
26.5 Earth's Moon
Lesson Reading Quiz
Homework Practice Session

Lesson 4 (your date)

FYI page
26.6 Failed Planet Formation
Lesson Reading Quiz
Homework Practice Session

Unit : B: The Laws of Newton

Lesson 1 (your date)

FYI page
1.1 Aristotle on Motion
1.2 Galileo's Concept of Inertia
1.3 Mass--A Measure of Inertia
1.4 Net Force
Lesson Reading Quiz
Homework Practice Session

Lesson 2 (your date)

FYI page
1.5 The Equilibrium Rule
1.6 Support Force
1.8 Speed and Velocity
1.9 Acceleration
Lesson Reading Quiz
Homework Practice Session

Lesson 3 (your date)

FYI page
2.1 Newton's First Law of Motion
2.2 Newton's Second Law of Motion
Lesson Reading Quiz
Homework Practice Session

Lesson 4 (your date)

FYI page
2.3 Forces and Interactions
2.4 Newton's Third Law of Motion
2.5 Summary of Newton's Three Laws
Lesson Reading Quiz



Homework Practice Session

Unit : C: Gravity and Satellites

Lesson 1 (your date)

FYI page

4.1 The Universal Law of Gravity

4.2 Gravity and Distance: The Inverse-Square Law

Lesson Reading Quiz

Homework Practice Session

Lesson 2 (your date)

FYI page

4.3 Weight and Weightlessness

4.4 Universal Gravitation

Lesson Reading Quiz

Homework Practice Session

Lesson 3 (your date)

FYI page

4.5 Projectile Motion

Lesson Reading Quiz

Homework Practice Session

Lesson 4 (your date)

FYI page

4.6 Fast-Moving Projectiles—Satellites

4.7 Circular Satellite Orbits

4.8 Elliptical Orbits

4.9 Escape Speed

Lesson Reading Quiz

Homework Practice Session

Unit : D: The Atomic Nucleus

Lesson 1 (your date)

FYI page

12.1 Atoms Are Ancient and Empty

12.2 The Elements

12.3 Protons and Neutrons

12.4 The Periodic Table

Lesson Reading Quiz

Homework Practice Session

Lesson 2 (your date)

FYI page

13.1 Radioactivity

13.2 The Strong Nuclear Force

Lesson Reading Quiz



Homework Practice Session

Lesson 3 (your date)

FYI page
13.3 Half-Life and Transmutation
13.4 Radiometric Dating
Lesson Reading Quiz
Homework Practice Session

Lesson 4 (your date)

FYI page
13.5 Nuclear Fission
Lesson Reading Quiz
Homework Practice Session

Lesson 5 (your date)

FYI page
13.6 Mass-Energy Equivalence
13.7 Nuclear Fusion
Lesson Reading Quiz
Homework Practice Session

Unit : E: Stars and Galaxies

Lesson 1 (your date)

FYI page
27.1 Observing the Night Sky
27.2 The Brightness and Color of Stars
Lesson Reading Quiz
Homework Practice Session

Lesson 2 (your date)

FYI page
27.3 The Hertzsprung-Russell Diagram
Lesson Reading Quiz
Homework Practice Session

Lesson 3 (your date)

FYI page
27.4 The Life Cycles of Stars
Lesson Reading Quiz
Homework Practice Session

Lesson 4 (your date)

FYI page
27.5 Black Holes
Lesson Reading Quiz



Homework Practice Session

Lesson 5 (your date)

FYI page
27.6 Galaxies
Lesson Reading Quiz
Homework Practice Session

Unit : F: The Universe

Lesson 1 (your date)

FYI page
28.1 Looking Back in Time
28.2 Cosmic Inflation
Lesson Reading Quiz
Homework Practice Session

Lesson 2 (your date)

FYI page
28.3 and 28.4 Relativity
Lesson Reading Quiz
Homework Practice Session

Lesson 3 (your date)

FYI page
28.5 Dark Matter
28.6 Dark Energy
28.7 The Fate of the Universe
Lesson Reading Quiz
Homework Practice Session

