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Features and Benefits Brochure

Benefits & Features

Achieve
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Content to Enhance Your Teaching

Each Achieve course comes with a BFW e-book uniquely developed for the course it serves. These e-books include highlighting, note-taking, and search functionality and can be accessed online or downloaded for to multiple devices. Our e-books also prioritize accessibility, offering a read aloud feature, open dyslexic font, and translation into multiple languages if supported on the device.

Adaptive Quizzing for Personalized Learning

Some Achieve courses include LearningCurve, our adaptive quizzing engine with personalized question sets and clear feedback based on each student's correct and incorrect answers. LearningCurve offers an easy way for students to prepare for class by reviewing the e-book and then assessing their understanding of the key concepts.

Targeted Feedback to Build Understanding

The Achieve STEM courses include homework assessments that target specific misconceptions or misunderstandings. These formative assessments offer real-time, answer-specific feedback to help students build understanding of complex concepts.

Resources at Your Virtual Fingertips

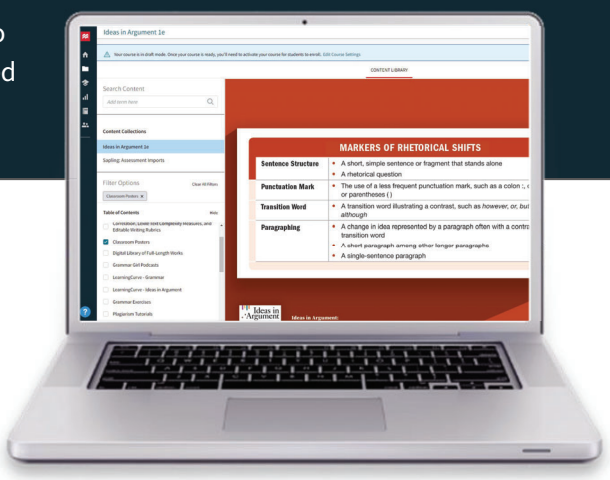
A robust repository of teacher and student resources are easily accessible and assignable. Your resources include the TE-book, pacing guides, handouts, graphic organizers, PD videos, and more. Your students will benefit from the flashcards, simulations, videos, and tutorials.

Analytics Reveal Insights on Student Performance

Achieve's Insights and Reporting feature provides powerful but user-friendly analytics at the individual student or whole class level. This elegant dashboard gives you and your administrators a window into student progress so lessons can be specifically tailored to students' needs.

Integration with Your LMS or Rostering System

Our great content and resources + your LMS and rostering systems = a match made in…integration. Achieve integrates with most of the common systems.



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BFW Achieve
Teacher Resources

Free With Purchase of 25 Student Editions

Teacher's Edition

The wrap-around Teacher's Edition is an invaluable resource for new and experienced instructors. In true BFW style, this TE is written by long-time instructors and includes thoughtful instruction for planning, pacing, and differentiating your course, as well as strategies for developing skills and teaching course content.

Teacher's Resource Materials

The Teacher's Resource Materials are designed to help you structure and navigate your course. Materials are referenced at point-of-use in the TE and include:

- Pacing Guides
- Lecture Slides
- Worksheets/Handouts
- Answer Keys/Suggested Responses
- Overview Videos
- Animations
- + More

Macmillan Learning Test Bank

The Macmillan Learning Test Bank is an online assessment system that allows you to create and deliver tests through a secure online test center.

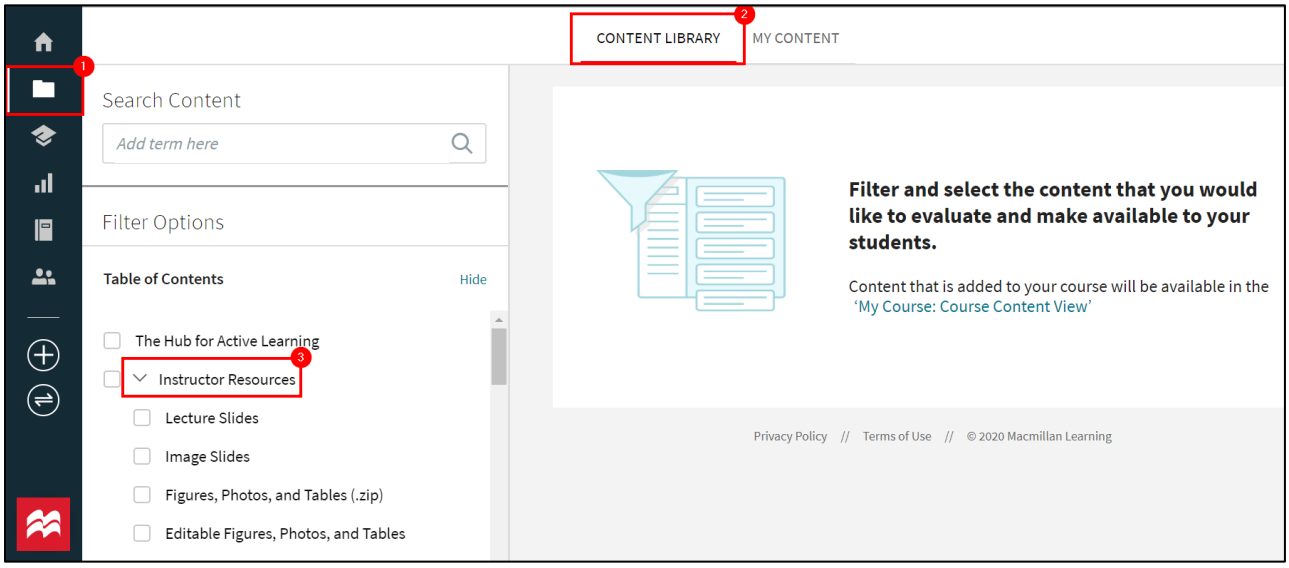
You can:

- Create paper or online tests that you can export to your LMS using your web browser
- Drag and drop questions to create tests
- Create and edit your own questions and edit publisher-created question sets

Some key features include:

- Support for many questions types including true/false, multiple choice, multiple response, matching, numeric response, completion, multi-blank, drag-and-drop, bin sort, short answer, ordering, essay, and Likert scale
- Rich word processing features including support for equations, images, and tables
- Algorithm engine to create dynamic questions
- Support for a wide variety of question metadata including local, state, and national standards
- Support for many standard import and export methods including IMS QTI and XML

Content Collections



Publisher-Provided Content

Use the provided course collection if you want to add publisher-provided content to your course. This collection allows you to search for resources by title, as well as filter by:

- Table of Contents
- Resource Type
- Recommended Use

My Custom Content
Use the My Custom Content Collection if you want to create your own resources and add them to your course. Any time you create a new resource, it will be available here to add into any of your courses, as long as that course uses that type of resource. For example, Writing can currently only be added to English courses.

Here are the types of content you can create. Remember, not all of these are available in all courses:

- Files
- Links (URLs)
- Assessments
- Writing Assignments
- GoReact Video Assignments

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Curriculum Scope and Sequence

College Board Course and Exam Description Topic	Learning Objective	Essential Knowledge	Location in Text	Suggested Pacing (Standard Schedule)*days	Suggested Pacing (Block Schedule)*days
Topic 1.1 Structure of Water and Hydrogen Bonding	1.1 A	1.1.A.1	Module 2: Water and Life pgs. 43-53	1	0.5
		1.1.A.2	Module 2: Water and Life pgs.	1	0.5
Topic 1.2 Elements of Life	1.2.A	1.2.A.1	Module 1: Elements of Life pgs 26-42	0.5	0.25
Topic 1.3 Introduction to Macromolecules	1.3.A	1.3.A.1	Module 1: Elements of Life pgs. 26, 37-38	0.5	0.25
		1.3.A.2	Module 3: Carbohydrates and Lipids pgs. 54-57; Module 4: Proteins; Module 5: Nucleic Acids	1	0.5
Topic 1.4 Carbohydrates	1.4.A	1.4.A.1	Module 3: Carbohydrates and Lipids pgs. 54-57	1	0.5
Topic 1.5 Lipids	1.5.A	1.5.A.1	Module 3: Carbohydrates and Lipids pgs. 54-57	1	0.5
		1.5.A.2	Module 3: Carbohydrates and Lipids pgs. 54-57	1	0.5
Topic 1.6 Nucleic Acids	1.6.A	1.6.A.1	Module 5: Nucleic Acids pgs. 78-91	0.5	0.25
		1.6.A.2	Module 5: Nucleic Acids pgs.	0.5	0.25
		1.6.A.3	Module 5: Nucleic Acids pgs.	0.5	0.25
		1.6.A.4	Module 5: Nucleic Acids pgs.	0.5	0.25
Topic 1.7 Proteins	1.7.A	1.7.A.1	Module 4: Proteins	3	1.5

College Board Course and Exam Description Topic	Learning Objective	Essential Knowledge	Location in Text	Suggested Pacing (Standard Schedule)*days	Suggested Pacing (Block Schedule)*days
2.1 Cell Structure and Function	2.1.A	2.1.A.1	Module 6: An Introduction to the Cell pgs. 92-104/ Module 7: Subcellular Compartments of Eukaryotes pgs.105-119	1	0.5
		2.1.A.2			
		2.1.A.3			
		2.1.A.4			
		2.1.A.5			
		2.1.A.6			
		2.1.A.7			
		2.1.A.8			
2.2 Cell Size	2.2.A	2.2.A.1	Module 8: Cell and Organism Size pgs. 120-131	2	1
		2.2.A.2			
2.3 Plasma Membrane	2.3.A	2.3.A.1	Module 9: Cell Membranes pgs. 132-143	2	1
		2.3.A.2			
	2.3.B	2.3.B.1			
2.4 Membrane Permeability	2.4.A	2.4.A.1	Module 9: Cell Membranes pgs. 132-143	2	1
		2.4.A.2			
		2.4.A.3			
	2.4.B	2.4.B.1			
2.5 Membrane Transport	2.5.A	2.5.A.1	Module 10: Membrane Transport pgs. 145-153	2	1
		2.5.A.2			
		2.5.A.3			
	2.5.B	2.5.B.1			
2.6 Facilitated Diffusion	2.6.A	2.6.A.1	Module 10: Membrane Transport pgs. 145-153	2	1
		2.6.A.2			
		2.6.A.3			
2.7 Tonicity and Osmoregulation	2.7.A	2.7.A.1	Module 11: Water Movement: Osmosis, Tonicity, and Osmoregulation pgs. 155-168	2	1
	2.7.B	2.7.B.1			
		2.7.B.2			

2.8 Mechanisms of Transport	2.8.A	2.8.A.1	Module 11: Water Movement: Osmosis, Tonicity, and Osmoregulation pgs. 155-168	2	1
2.9 Cell Compartmentalization	2.9.A	2.9.A.1	Module 7: Subcellular Compartments of Eukaryotes pgs.105-119	2	1
	2.9.B	2.9.B.1			
2.10 Origins of Cell Compartmentalization	2.10.A	2.10.A.1	Module 12: Origin of Compartmentalization and the Eukaryotic Cell pgs. 170-183	1	0.5
		2.10.A.2			
		2.10.A.3			

College Board Course and Exam Description Topic	Learning Objective	Essential Knowledge	Location in Text	Suggested Pacing (Standard Schedule)*days	Suggested Pacing (Block Schedule)*days
3.1 Enzymes	3.1.A	3.1.A.1	Module 14: Enzymes pgs. 196-210	4	2
		3.1.A.2			
3.2 Environmental Impacts on Enzyme Function	3.2.A	3.2.A.1	Module 14: Enzymes pgs. 196-210	4	4
		3.2.A.2			
	3.2.B	3.2.B.1			
		3.2.B.2			
		3.2.B.3			
3.3 Cellular Energy	3.3.A	3.3.A.1	Module 13: Cellular Energetics pgs. 184-195	1	0.5
		3.3.A.2			
		3.3.A.3			
	3.3.B	3.3.B.1			
3.4 Photosynthesis	3.4.A	3.4.A.1	Module 15: Photosynthesis I: Overview pgs. 211-220	1.5	0.75
		3.4.A.2			
		3.4.A.3			
	3.4.B	3.4.B.1	Module 16: Photosynthesis II: Biochemistry pgs. 221-232	3	1.5
		3.4.B.2			
		3.4.B.3			
		3.4.B.4			
		3.4.B.5			
		3.4.B.6			
3.5 Cellular Respiration	3.5.A	3.5.A.1	Module 17: Cellular Respiration I: Overview pgs. 233-243	1.5	0.75
		3.5.A.2			
		3.5.A.3			
	3.5.B	3.5.B.1	Module 18: Cellular Respiration II: Biochemistry pgs. 244-261	3	1.5

		3.5.B.2			
		3.5.B.3			
		3.5.B.4			
		3.5.B.5			
		3.5.B.6			

College Board Course and Exam Description Topic	Learning Objective	Essential Knowledge	Location in Text	Suggested Pacing (Standard Schedule)*days	Suggested Pacing (Block Schedule)*days
4.1 Cell Communication	4.1.A	4.1.A.1	Module 20: Cell Communication pgs. 276-289	1	0.5
	4.1.B	4.1.B.1			
		4.1.B.2			
4.2 Introduction to Signal Transduction	4.2.A	4.2.A.1	Module 21: Signal Transduction pgs. 290-304	2	1
		4.2.A.2			
	4.2.B	4.2.B.1			
4.3 Signal Transduction Pathways	4.3.A	4.3.A.1	Module 22: Changes in Signal Transduction Pathways pgs. 305-313	1	0.5
	4.3.B	4.3.B.1			
		4.3.B.2			
4.4 Feedback	4.4.A	4.4.A.1	Module 23: Feedback in Cell Communication pgs. 314-321	1	0.5
4.5 Cell Cycle	4.5.A	4.5.A.1	Module 24: The Cell Cycle pgs. 322-335	1	0.5
	4.5.B	4.5.B.1			
4.6 Regulation of Cell Cycle	4.6.A	4.6.A.1	Module 25: Regulation of the Cell Cycle pgs. 336-349	2	1
		4.6.A.2			
	4.6.B	4.6.B.1			

College Board Course and Exam Description Topic	Learning Objective	Essential Knowledge	Location in Text	Suggested Pacing (Standard Schedule)*days	Suggested Pacing (Block Schedule)*days
5.1 Meiosis	5.1.A	5.1.A.1	Module 26: Meiosis and Genetic Diversity pgs. 350-365/Module 30 Chromosomal Inheritance pgs 420-434	2/1.5	.5/.75
		5.1.A.2			
		5.1.A.3			
	5.1.B	5.1.B.1			
5.2 Meiosis and Genetic Diversity	5.2.A	5.2.A.1	Module 26: Meiosis and Genetic Diversity pgs. 350-365	2	0.5
		5.2.A.2			
		5.2.A.3			
5.3 Mendelian Genetics	5.3.A	5.3.A.1	Module 27: Mendelian Genetics and Tutorial 2: Probability pgs 366-389	2.5	0.75
		5.3.A.2			
5.4 Non-Mendelian Genetics	5.4.A	5.4.A.1	Module 28: Non-Mendelian Genetics pgs 390-405	2	1
		5.4.A.2			
		5.4.A.3			
		5.4.A.4			
5.5 Environmental Effects on Phenotype	5.5.A	5.5.A.1	Module 29: Environmental Effects on Phenotypes pgs 406-419	2	1

College Board Course and Exam Description Topic	Learning Objective	Essential Knowledge	Location in Text	Suggested Pacing (Standard Schedule)*days	Suggested Pacing (Block Schedule)*days
6.1 DNA and RNA Structure	6.1.A	6.1.A.1	Module 31: DNA and RNA Structure and Function pgs. 435-446	2	1
		6.1.A.2			
	6.1.B	6.1.B.1			
6.2 DNA Replication	6.2.A	6.2.A.1	Module 32: DNA Replication pgs. 447-458	2	1
6.3 Transcription and RNA Processing	6.3.A	6.3.A.1	Module 33: Transcription and RNA Processing pgs. 459-469	2.5	1.25
		6.3.A.2			
		6.3.A.3			
		6.3.A.4			
6.4 Translation	6.4.A	6.4.A.1	Module 34: Translation pgs. 470-483/ Module 39: Viruses pgs. 541-555	2.5/1	1.25/.5
		6.4.A.2			
		6.4.A.3			
		6.4.A.4			
6.5 Regulation of Gene Expression	6.5.A	6.5.A.1	Module 35: Regulation of Gene Expression pgs. 484-498	3	1.5
		6.5.A.2			
		6.5.A.3			
	6.5.B	6.5.B.1			
6.6 Gene Expression and Cell Specialization	6.6.A	6.6.A.1	Module 36: Cell Specialization and Development pgs. 499-511	2.5	1.25
		6.6.A.2			
	6.6.B	6.6.B.1			
		6.6.B.2			
6.7 Mutations	6.7.A	6.7.A.1	Module 37: Mutations pgs. 512-525	2.5	1.25
	6.7.B	6.7.B.1			
		6.7.B.2			
	6.7.C	6.7.C.1			
6.8 Biotechnology	6.8.A	6.8.A.1	Module 38: Biotechnology pgs. 526-539	2	1

College Board Course and Exam Description Topic	Learning Objective	Essential Knowledge	Location in Text	Suggested Pacing (Standard Schedule)*days	Suggested Pacing (Block Schedule)*days
7.1 Introduction to Natural Selection	7.1.A	7.1.A.1	Module 40: Introduction to Evolution and Natural Selection pgs. 561-571	2	1
		7.1.A.2			
	7.1.B	7.1.B.1			
		7.1.B.2			
7.2 Natural Selection	7.2.A	7.2.A.1	Module 41: Natural and Artificial Selection pgs. 572-586	2	1
		7.2.A.2			
		7.2.A.3			
	7.2.B	7.2.B.1			
7.3 Artificial Selection	7.3.A	7.3.A.1	Module 41: Natural and Artificial Selection pgs. 572-586	2	1
7.4 Population Genetics	7.4.A	7.4.A.1	Module 42: Population Genetics pgs.587-599	2	1
	7.4.B	7.4.B.1			
	7.4.C	7.4.C.1			
7.5 Hardy-Weinberg Equilibrium	7.5.A	7.5.A.1	Module 43: Hardy-Weinberg Equilibrium pg. 600-614	4	2
		7.5.A.2			
7.6 Evidence of Evolution	7.6.A	7.6.A.1	Module 44: Evidence of Common Ancestry and Evolution pgs. 616-631	2	1
	7.6.B	7.6.B.1			
		7.6.B.2			
7.7 Common Ancestry	7.7.A	7.7.A.1	Module 44: Evidence of Common Ancestry and Evolution pgs. 616-631	2	1
7.8 Continuing Evolution	7.8.A	7.8.A.1	Module 45: Continuing Evolution pgs. 632-644	1	0.5
7.9 Phylogeny	7.9.A	7.9.A.1	Module 46: Phylogeny pgs. 645-661	3	1.5

		7.9.A.2			
		7.9.A.3			
	7.9.B	7.9.B.1			
		7.9.B.2			
		7.9.B.3			
7.10 Speciation	7.10.A	7.10.A.1	Module 47: Speciation pgs. 662-681/Module 48: Extinction pgs. 682-693	3/1	1.5/.5
		7.10.A.2			
	7.10.B	7.10.B.1			
		7.10.B.2			
		7.10.B.3			
	7.10.C	7.10.C.1			
		7.10.C.2			
7.11 Variations in Populations	7.11.A	7.11.A.1	Module 49: Variations in Populations pgs. 694-703	1	0.5
7.12 Origins of Life on Earth	7.12.A	7.12.A.1	Module 50: Origin of Life on Earth pgs. 704-719	2	1
		7.12.A.2			

College Board Course and Exam Description Topic	Learning Objective	Essential Knowledge	Location in Text	Suggested Pacing (Standard Schedule)*days	Suggested Pacing (Block Schedule)*days
8.1 Responses to the Environment	8.1.A	8.1.A.1	Module 51: Responses to the Environment pgs. 722-735	3	1.5
		8.1.A.2			
	8.1.B	8.1.B.1			
		8.1.B.2			
8.2 Energy Flow Through Ecosystems	8.2.A	8.2.A.1	Module 52: Energy Flow through Ecosystems pgs. 736-751	2.5	1.25
		8.2.A.2			
	8.2.B	8.2.B.1			
		8.2.B.2			
		8.2.B.3			
		8.2.B.4			
		8.2.B.5			
		8.2.B.6			
		8.2.B.7			
	8.2.C	8.2.C.1			
		8.2.C.2			
	8.2.D	8.2.D.1			
		8.2.D.2			
8.3 Population Ecology	8.3.A	8.3.A.1	Module 53: Population Ecology pgs. 752-764	2.5	1.25
		8.3.A.2			
8.4 Effect of Density on Populations	8.4.A	8.4.A.1	Module 54: Effect of Density of Populations pgs. 765-775	3	1.5
		8.4.A.2			
8.5 Commumity Ecology	8.5.A	8.5.A.1	Module 55: Community Ecology pgs. 779-797	2.5	1.25
	8.5.B	8.5.B.1			
		8.5.B.2			
		8.5.B.3			
		8.5.B.4			
8.6 Biodiversity	8.6.A	8.6.A.1	Module 56: Biodiversity pgs. 798-811	2.5	1.25
		8.6.A.2			
	8.6.B	8.6.B.1			

8.7 Disruptions in Ecosystems	8.7.A	8.7.A.1	Module 57: Disruptions to Ecosystems pgs. 812-832	3	1.5
		8.7.A.2			
		8.7.A.3			
	8.7.B	8.7.B.1			
	8.7.C	8.7.C.1			
	8.7.D	8.7.D.1			

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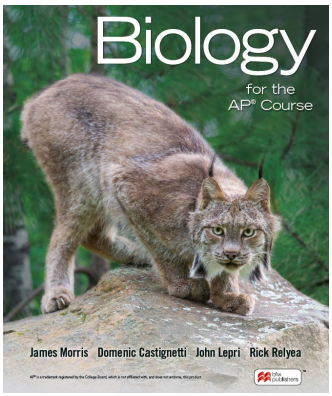
MCCRS and AP Standards Correlations

2020 AP® Biology Course Framework Topic Alignment to *Biology for the AP® Course*, 1st edition

Morris | Castignetti | Lepri | Relyea



2020 CF Topic Number	2020 Course Framework Topic Title	*Biology for the AP® Course* 1e Unit/Module
Unit 1: Chemistry of Life (Weight: 8-11%)		
1.1	Structure of Water and Hydrogen Bonding	Unit 1, Module 2[1]
1.2	Elements of Life	Unit 1, Module 1, Tutorial 1
1.3	Introduction to Biological Macromolecules	Unit 1, Modules 3-5
1.4	Properties of Biological Macromolecules	Unit 1, Modules 3-5
1.5	Structure and Function of Biological Macromolecules	Unit 1, Modules 3-5
1.6	Nucleic Acids	Unit 1, Module 5
Unit 2: Cell Structure and Function (Weight: 10–13%)		
2.1	Cell Structure: Subcellular Components	Unit 2, Module 7[2]
2.2	Cell Structure and Function	Unit 2, Module 6
2.3	Cell Size	Unit 2, Module 8
2.4	Plasma Membranes	Unit 2, Module 9
2.5	Membrane Permeability	Unit 2, Module 9
2.6	Membrane Transport	Unit 2, Module 10
2.7	Facilitated Diffusion	Unit 2, Module 10
2.8	Tonicity and Osmoregulation	Unit 2, Module 11
2.9	Mechanics of Transport	Unit 2, Module 10[3]
2.10	Cell Compartmentalization	Unit 2, Module 7[2]
2.11	Origins of Cell Compartmentalization	Unit 2, Module 12
Unit 3: Cellular Energetics (Weight: 12–16%)		
3.1	Enzyme Structure	Unit 3, Module 14[4]
3.2	Enzyme Catalysis	Unit 3, Module 14

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3.3	Environmental Impacts on Enzyme Function	Unit 3, Module 14
3.4	Cellular Energy	Unit 3, Module 13[4]
3.5	Photosynthesis	Unit 3, Modules 15-16
3.6	Cellular Respiration	Unit 3, Modules 17-18
3.7	Fitness	Unit 3, Module 19
Unit 4: Cell Communication and Cell Cycle (Weight: 10–15%)		
4.1	Cell Communication	Unit 4, Modules 20 and 21
4.2	Introduction to Signal Transduction	Unit 4, Module 21
4.3	Signal Transduction	Unit 4, Module 21
4.4	Changes in Signal Transduction Pathways	Unit 4, Module 22
4.5	Feedback	Unit 4, Module 23
4.6	Cell Cycle	Unit 4, Module 24
4.7	Regulation of Cell Cycle	Unit 4, Module 25
Unit 5: Heredity (Weight: 8–11%)		
5.1	Meiosis	Unit 5, Module 26
5.2	Meiosis and Genetic Diversity	Unit 5, Module 26
5.3	Mendelian Genetics	Unit 5, Module 27, Tutorial 2
5.4	Non-Mendelian Genetics	Unit 5, Module 28
5.5	Environmental Effects on Phenotype	Unit 5, Module 29
5.6	Chromosomal Inheritance	Unit 5, Module 30
Unit 6: Gene Expression and Regulation (Weight:12–16%)		
6.1	DNA and RNA Structure	Unit 6, Module 31
6.2	Replication	Unit 6, Module 32
6.3	Transcription and RNA Processing	Unit 6, Module 33[5]
6.4	Translation	Unit 6, Module 34
6.5	Regulation of Gene Expression	Unit 6, Module 35
6.6	Gene Expression and Cell Specialization	Unit 6, Module 36
6.7	Mutations	Unit 6, Module 37
6.8	Biotechnology	Unit 6, Module 38
Unit 7: Natural Selection (Weight: 13–20%)		
7.1	Introduction to Natural Selection	Unit 7, Module 40
7.2	Natural Selection	Unit 7, Module 41
7.3	Artificial Selection	Unit 7, Module 41
7.4	Population Genetics	Unit 7, Module 42
7.5	Hardy-Weinberg Equilibrium	Unit 7, Module 43
7.6	Evidence of Evolution	Unit 7, Module 44
7.7	Common Ancestry	Unit 7, Module 44
7.8	Continuing Evolution	Unit 7, Module 45
7.9	Phylogeny	Unit 7, Module 46
7.10	Speciation	Unit 7, Module 47[6]

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7.11	Extinction	Unit 7, Module 48
7.12	Variations in Populations	Unit 7, Module 49
7.13	Origin of Life on Earth	Unit 7, Module 50
Unit 8: Ecology (Weight: 10-15%)		
8.1	Responses to the Environment	Unit 8, Module 51
8.2	Energy Flow Through Ecosystems	Unit 8, Module 52
8.3	Population Ecology	Unit 8, Module 53, Tutorial 3
8.4	Effect of Density of Populations	Unit 8, Module 54
8.5	Community Ecology	Unit 8, Module 55
8.6	Biodiversity	Unit 8, Module 56
8.7	Disruptions to Ecosystems	Unit 8, Module 57

[1] We discuss the basic chemistry of molecular bonding in Module 1 as a foundation for the specific properties of hydrogen bonding in Module 2.
[2] We begin with an overview of the endomembrane system to establish a basic description of cells before discussing the specific organelles.
[3] We cover transport mechanisms before the details of tonicity and osmoregulation to establish the principles of membrane transport as a foundation for the details at the cellular level.
[4] We describe energy basics and cellular energy at the beginning of Unit 3 before going into the details of cell metabolism because the detailed discussions need that foundation.
[5] Reverse transcriptase is covered in Unit 6, Module 39, Viruses.
[6] Tutorial 4, at the end of the book, is a thorough review of reading and making graphs. As it is an undercurrent throughout the course, we recommend introducing it to your students at the beginning of the course and referring to it throughout.

If you have any questions or would like more info about the ***Biology for the AP® Course*** program please contact your local BFW Publishers rep or visit bfwpub.com/pounce.

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Technology Supporting Document

Technology Supporting Document

1.1. i. Thin Common Cartridge 1.3 – IEDTECH Global Standards

We are not certified for Thin Common Cartridge (TCC) 1.3, as it is not an ideal delivery mechanism for our course materials. Users do not access content via Thin Common Cartridge. Instead, we deploy content via APIs and are certified for LTI 1.3 (Advantage), which includes content deployment and deep linking via IMS LTI standards.

1.2. ii. School rostering

We provide automated rostering for schools through multiple methods, including auto-provisioned user accounts and courses via Learning Tools Interoperability (LTI) connection with Learning Object Repository (LOR) and/or Learning Management System (LMS), automated import using OneRoster CSV and Secure FTP, as well as integration with Clever and ClassLink. We are certified for OneRoster.CSV and LTI Advantage Complete, and support rostering for students and teachers through OneRoster CSV, Clever, and ClassLink. Integration is also available with Google Classroom, Canvas, Schoology, D2L, Blackboard, and Moodle. Roster data is required for system operation.

1.3. iii. PDF and/or ePUB format

Our materials are available in both PDF and EPUB formats. PDF versions are accessible and can be provided at no additional cost, while e-books are produced in EPUB3 format with comprehensive accessibility features. All eBooks are certified by NIMAC.

1.4. iv. Alternative text (image), captions and subtitles (videos), read-alouds, and other accessibility functions

We provide alternative text for all images in our e-books, slides, and other resources, with both short and long descriptions depending on image complexity. All videos include closed captioning and, since 2019, audio descriptions. Subtitles are also available. Our eBooks feature a read-aloud (text-to-speech) function, and students can personalize background color, font size, and type. Accessibility features include compatibility with assistive technologies such as screen readers, keyboard navigation, and navigation methods like page and heading navigation. Transcripts for videos are available upon request.

1.5. v. 508 compliant platform

Yes, our platform is 508-compliant to the extent indicated in our Voluntary Product Accessibility Templates (VPATs), which we are happy to provide upon request. Accessibility is measured using guidelines set forth by Section 508 and the World Wide Web Consortium (W3C). We have mapped our solutions to the WCAG 2.1 standard at Level AA compliance and are regularly audited by third-party accessibility experts. We are committed to continually improving accessibility to meet user needs and expectations.

1.6. vi. Privacy-data security specifications

We comply with SOC 2 Type II and base our Information Security program on ISO/IEC 27001/02, ISO 27017, and NIST 800-37 frameworks. Our environment is cloud-based, and we implement security best practices, including a DMZ and Web Application Firewalls. We maintain strong administrative, technical, and physical safeguards to protect systems and data, including personally identifiable information, against unlawful or unauthorized destruction, loss, alteration, access, disclosure, or use. Data transferred to us, including registration information, quiz results, grades, and assessments, is encrypted in transit using TLS encryption. Sensitive data stored locally or at rest is encrypted using AES-256 encryption. We enforce a policy of 'Least Privilege' for staff access to customer personal and sensitive data, with access granted only to the minimum number of individuals required to support and maintain system functionality, and access is revoked upon termination. We routinely run vulnerability scans covering OWASP Top 10 and SANS Top 25 and integrate these into our development process.

For more information, please see our Privacy Notice:
https://www.bfwpub.com/high-school/us/legal/privacy-notice

1.7. vii. Browser and OS support

We support the following browsers and operating systems:

Browsers

- Chrome: 126.0.6478.126 plus two previous versions
- Firefox: 127.0.2 plus two previous versions
- Safari: 17.5 plus two previous versions
- Edge: 126.0.2592.87 plus two previous versions

Operating Systems

- Compatible with ChromeOS, Windows (including Windows 11), and MacOS
- The platform is device agnostic and may be used on PC, Mac, Chromebook, and mobile devices using supported browsers

No plugins are required, and the platform supports HTML5 web standards across all browsers.

BFW Publishers

Implementation Guide

Implementation Training plan

At Bedford, Freeman and Worth, we have built our reputation on producing the highest quality materials for AP® courses and a variety of electives, and are proud to offer resources for a range of high school courses. With BFW, you will find what you need for class today including classroom tools that work; extensive resources for teachers; media that adds value to your classes; and the support that you need – when you need it. Our groundbreaking digital content (and books) are based on changes in education, in student populations and on accepted best practices for the classroom.

Our mission is to support the people teaching in the increasingly complex environment of high school education. We aspire to be a community that connects teachers with other teachers, scholars, authors, and editors, as well as with a library of resources for teaching and learning. Our online High School Teaching Community provides free access to premium content including course tours, professional development, webinars on demand, valuable teaching resources, and curriculum and state-focused sub-communities.

We follow a critical path method (CPM) of project management for the length of the contract term with all implementation and maintenance steps well-documented and reviewed prior to completion. All milestones receive a sign-off and are communicated to all project owners promptly. Our goal is to thoroughly transfer knowledge through a well-tested and standardized onboarding model designed specifically for the high school market. Implementation and ongoing support are managed by a dedicated team that includes product, sales, finance and client support team members. We use a combination of Salesforce, Desk, Service Cloud, and Google Suite to manage our projects.

Our BFW High School support portal provides 24/7 help to teachers, parents and students via a Knowledge Base (searchable by role, products, topic and features) as well as real-time email and phone support options. These support options are included at no additional cost for the length of your commitment.

Through our professional development series, we offer a variety of professional development opportunities for teachers to increase classroom success, be fully prepared, and have the training needed to increase their teaching effectiveness. Upon award, we would create a custom professional development plan based on your district and teachers' needs that covers our entire resource program for your classroom, onboarding and implementation training, and professional development workshops as needed.

Upon receipt of purchase order, we guarantee to ship within five business days and to deliver within ten business days upon receipt of purchase order for in-stock print items. Shipping is calculated at 5% of the total purchase order.

For more information, please visit
https://go.bfwpub.com/BFW-Achieve-Implementation-Site.html.

We have also provided a sample implementation timeline with this submission.
Please see the following page for details.

BFW Implementation Plan for Spring 2025

This implementation plan is based on an anticipated vendor selection in May 2025 for a Fall 2025 implementation. Dates are approximate and will be adjusted based on selection/ purchase date. BFW will also work to customize any implementation period or tasks required. All implementation costs are included in the adoption fee so there would be no additional associated costs (excepting some PD courses; please refer to our PD brochure for further details).

✔	Activity / Task / Milestone	District	BFW	Start Date	Additional Information	Scope
Initial Rollout		**Deadline: Spring/Summer 2025**				
	Vendor selection/purchase order issuance.	District	BFW Contract & Sales Teams	May 2025	TBD by District.	1 occurrence
	BFW will set up an initial onboarding meeting to ascertain project needs including training and integration; and finalize timeline and corresponding plan.	District	Account Manager	May 2025	Remote meeting anticipated (1 hour).	1 occurrence
	BFW will work on Achieve integration.	District	BFW Customer Experience Team	June 2025	Approximate total hours required (8 hours).	1 week
	Training for District central office (as required).	District Staff	BFW Customer Experience Team	June 2025	Remote meeting anticipated (1 hour).	1 occurrence
	Delivery of materials	N/A	BFW Warehouse	June 2025	For teachers and students.	1 occurrence
	Begin BFW Courseware Training and BFW Course Tours (gratis, self-scheduled by teachers/staff); and synchronous BFW Implementation Training (as required).	District Teachers/Staff	BFW Customer Experience Team	June 2025 - August 2025	Our implementation training and onboarding provides teachers with an overview of how to use and implement digital technology in the classroom as well as an overview of teacher and student resources. It does not include any in-depth discipline content coverage. Please refer to the provided PD brochure for further information. Hours required - TBD based on number of teachers.	3 months
Post Rollout		**Deadline: Ongoing**				
	Assessment meeting to determine areas of success and improvement prior to Spring term start.	District	Account Manager	November 2025	Remote meeting anticipated (1 hour).	1 occurrence
	BFW will schedule any further professional development or follow-up training.	District Teachers/Staff	BFW Customer Experience Team	January 2026	Hours required - TBD based on number of teachers.	1 month

	BFW will monitor progress throughout Year 2-6 implementation.	District	Account Manager & BFW Customer Experience Team	Ongoing	Remote meeting anticipated (1 hour).	Ongoing
	BFW will schedule annual meetings with stakeholders to review progress to date, share product updates, and plan implementation for the subsequent years.	District	Account Manager	Ongoing	Spring and Fall Terms - Remote meeting anticipated (1 hour).	Ongoing

Video Presentation

Video Presentation

You can find a full video presentation overview of our AP and on-level Science texts at the following link:

***Biology for the AP® Course* (1e)**
Copyright 2022
Print edition ISBN: 9781319113315

***College Physics for the AP® Physics 1 & 2 Courses* (3e)**
Copyright 2023
Print edition ISBN: 9781319486211

***Environmental Science for the AP® Course* (4e)**
Copyright 2023
Print edition ISBN: 9781319409289

***Living by Chemistry* (3e)**
Copyright 2022
Print edition ISBN: 9781319333355

https://go.screenpal.com/watch/cTjFqsn2Zwa