

# Updated Digital Resources Aligned to the New Framework

The digital resources have been updated to help you deliver instruction aligned to the new curriculum Framework.

The course dashboard aggregates a variety of resources essential to meeting the new standards including the updated Teacher Manual, updated Correlations, and a link directly to the new College Board Course and Exam Description. The test banks have also been revised to help you provide meaningful practice and assessment opportunities that ensure students are preparing for the Exam all year long.

The screenshot shows the 'Mader 13e' course dashboard. On the left is a sidebar with navigation links: My Programs, Dashboard, Course, Gradebook, Calendar, Assignments, Roster, Reports, and Assessments. The main content area is titled 'Mader 13e' and features a search bar, a 'Where do you want to go?' section with a 'Browse Your Course' button, a calendar for Friday, September 6, 2019, and a section for 'Additional Resources'. The 'Additional Resources' section includes links to 'AP® Course and Exam Information', 'QuickStart Guide', 'AP Biology Course and Exam Description', 'AP Biology Correlation', 'AP Biology Correlation by Chapter', and 'Teacher Manual'. The 'eBook Options' section shows 'eBook' and 'SmartBook' options. Four red callout boxes with arrows point to specific features: 'Link directly to the new course and exam description.' points to the 'Browse Your Course' button; 'View the correlations by discrete chapter to help bring focus to chapter-level instruction.' points to the 'AP Biology Correlation by Chapter' link; 'The updated program correlation highlights where and how the program aligns at a glance.' points to the 'AP Biology Correlation' link; and 'The updated Teacher Manual includes section level correlations to the topics, pacing guides and innovative instructional strategies.' points to the 'Teacher Manual' link.

Link directly to the new course and exam description.

View the correlations by discrete chapter to help bring focus to chapter-level instruction.

The updated program correlation highlights where and how the program aligns at a glance.

The updated Teacher Manual includes section level correlations to the topics, pacing guides and innovative instructional strategies.

In addition to the updates that align the program contents to the new curriculum, the Teacher Manual includes a section dedicated to addressing the updated Framework.

### Teaching Tips for the New Curriculum

It can be easy to get carried away with fun activities and models of cells, but the curriculum places only limited focus on knowing the names and functions of individual organelles. The learning objective to focus on is SYI-1.E. Most students in an AP class will have background on the basic functions covered in SYI-1.D so a simple effective graphic organizer can do the trick. The larger focus in AP Biology is how the organelles work in unison and how their functions are interdependent. Having students practice scenarios based on overall cellular function rather than organelle function can allow for review of the organelles while getting to the next level of understanding at the same time. The organelles and their individual roles in the cell are similar to vocabulary, but understanding the interactions between them is something that can't really be studied with flashcards.

Mader 13e

Sandy Tanguay

My Programs

Dashboard

Course

Gradebook

Calendar

Assignments

Roster

Reports

Assessments

Mader, Biology, AP® Edition, (13th Edition)

Course Resources

AP Core: Biology / Unit: 1: The Cell / Chapter: 4: Cell Structure and Function

Preview Student Page Launch Presentation Edit

CHAPTER

4: Cell Structure and Function

Hide Chapter Info

AP Chapter Overview & Key Concepts Teaching the Chapter AP Suggested Assignments Benchmarks

ENE-1.J.1 ENE-1.L.7 ENE-2.D.1 ENE-2.D.2 ENE-2.K.1 ENE-2.L.1 EVO-1.A.1 EVO-1.A.3 EVO-1.B.1 EVO-2.A.1 EVO-2.A.2 EVO-2.B.1 EVO-2.B.2 EVO-2.C.1 EVO-2.C.1a IST-1.J.4 IST-1.J.4b IST-1.K.2 IST-1.K.2a IST-1.K.2b IST-1.K.3 SYI-1.D.1 SYI-1.D.2 SYI-1.D.3 SYI-1.D.3a SYI-1.D.3b SYI-1.D.4 SYI-1.D.4a SYI-1.D.4b SYI-1.D.4c SYI-1.D.4d SYI-1.D.4e SYI-1.E.1 SYI-1.E.1a SYI-1.E.1b SYI-1.E.1c SYI-1.E.1d SYI-1.F.1 SYI-1.F.2 SYI-1.F.3 SYI-1.F.4 SYI-1.F.9 SYI-3.C.3 1A 2.Da 3.D 5.Db 6.A 6.B 6.Ea

SYI-1.D.4a: Functions of the Golgi include the correct folding and chemical modification of newly synthesized proteins and packaging for protein trafficking.

Chapter level resources include an *AP Chapter Overview*, *Pacing Guide*, tips for *Teaching the Chapter*, *AP Suggested Assignments*, and *Benchmarks* that articulate the specific standards addressed within the chapter. Direct links to this section shows the standard number and the standard's description.

McGraw Hill Education

Mader 13e

Sandy Tanguay

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## Assessments

Assessment Banks Question Banks Passage Banks

Assessments > Mader 13e Assessments

+ New Assessment

#	Title
1	Chapter 10 Biology Content Review Test
2	AP Biology Ch. 13 Test
3	AP Biology Ch. 12 Test
4	AP Biology Ch. 47 Test
5	AP Biology Ch. 44 Test
6	AP Biology Ch. 43 Test
7	AP Biology Ch. 42 Test
8	AP Biology Ch. 46 Test
9	AP Biology Ch. 41 Test

## Standards

National Standards

Advanced Placement Standard...

Sciences (2019)

AP Biology Course Content

AP Biology Course Content

AP Biology Science Practices

The highly complex organization of living systems requires constant input of energy and the exchange of macromolecules.

☐ ENE-1.A Describe the composition of macromolecules required by living organisms.

☐ ENE-1.A.1 Organisms must exchange matter with the environment

Total: (0) selected

Continue

The searchable *Test Bank* allows you to create assessments aligned to the updated framework by content, standard, practice, or skill.