

Science Fusion
Module B: The Diversity of Living Things
Homeschool Pacing Guide

Options for Instruction: Two parallel paths meet the unit objectives, with a strong inquiry strand woven into each. Follow the Print Path, the Digital Path, or your customized combination of print, digital, and inquiry.

Note: Many of the Labs require specialized scientific equipment. Please check the materials list in the TE.

Unit 1: Life Over Time

Pacing Guide			
SE = Student Edition Interactive Worktext			TE = Teacher Edition
Days	Activity Type	Print	Digital
Unit 1 Opener			
Lesson 1: Introduction to Living Things			
1-2 days	Big Idea	SE, pp. 1–3; *TE, pp. 12–13	
	Lesson	SE, pp. 4–11; *TE, pp. 22–25	Screens 1–12
1 day	Review	SE, pp. 12–13; *TE, p. 26	
1 day	Assessment		◊ Lesson 1 Quiz
(Optional)	Labs		† Quick Lab: Is a Clock Alive? † Quick Lab: The Needs of Producers, Consumers, and Decomposers

Lesson 2: Theory of Evolution by Natural Selection			
1-2 days	Lesson	SE, pp. 14–23; *TE, pp. 36–40	Screens 1–14
1 day	Virtual Lab		Screens 1–13
1 day	Review	SE, pp. 24–25; *TE, p. 41	
1 day	Assessment		◊ Lesson 2 Quiz
1 day	Enrichment	Think Science, SE, pp. 26–27; *TE, pp. 42–43	
(Optional)	Labs		† Quick Lab: Model Natural Selection † Quick Lab: Analyzing Survival Adaptations † Quick Lab: The Opposable Thumb † Exploration Lab: Environmental Change and Evolution
Lesson 3: Evidence of Evolution			
1-2 days	Lesson	SE, pp. 28–35; *TE, pp. 52–55	Screens 1–11
1 day	Review	SE, pp. 36–37; *TE, p. 56	
1 day	Assessment		◊ Lesson 3 Quiz
(Optional)	Labs		† Quick Lab: Comparing Anatomy † Quick Lab: Genetic Evidence for Evolution † Field Lab: Mystery Footprints

Lesson 4: The History of Life on Earth			
1-2 days	Lesson	SE, pp. 38–47; *TE, pp. 66–70	Screens 1–15
1 day	Review	SE, pp. 48–49; *TE, p. 71	
1 day	Assessment		◊ Lesson 4 Quiz
1 day	Enrichment	People in Science, SE, pp. 50–51; *TE, pp. 72–73	
(Optional)	Labs		† Quick Lab: How Do We Know What Happened When? † Quick Lab: Investigate Relative and Absolute Age
Lesson 5: Classification of Living Things			
1-2 days	Lesson	SE, pp. 52–65; *TE, pp. 82–88	Screens 1–14
1 day	Virtual Lab		Screens 1–13
1 day	Review	SE, pp. 66–67; *TE, p. 89	
1 day	Assessment		◊ Lesson 5 Quiz
(Optional)	Labs		† Quick Lab: Investigate Classifying Leaves † Quick Lab: Using a Dichotomous Key † Exploration Lab: Developing Scientific Names
Unit 1 Review and Assessment			
1 day	Video-Based Project		Expedition Evolution
1 day	Review	SE, pp. 70–74; *TE, pp. 90–92	Online Unit Self Quiz
1 day	Assessment		◊ Unit 1 Test

* The digital Teacher’s Edition can be accessed through the Online Teacher Digital Management System at the Lesson Level.

TE: Lesson Level Resources > Lesson Teacher Support > Teacher Edition

† Lab Manuals can be accessed through the Online Teacher Digital Management System at the Lesson Level.

Lab Manuals: Lesson Level Resources > Lesson Inquiry Resources > Lab Manuals

† Lab Datasheets can be accessed through the online Student Edition at the lesson level.

Lab Datasheets: Lesson Level Resources > Lab Datasheet

◇ Online Assessments can be assigned to students through the Online Teacher Digital Management System. After you have assigned a Lesson Quiz or Unit Test, the assignment will appear on your student's account in the Things to Do section. Students can then take the test online, and it will be scored automatically.

Lesson Quiz = Lesson Level Resources > Lesson Assessment > Lesson Quiz

Unit Test = Unit Level Resources > Unit Assessment > Unit Test

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Unit 2: Earth’s Organisms

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SE = Student Edition Interactive Worktext			TE = Teacher Edition
Days	Activity Type	Print	Digital
Unit 2 Opener			
Lesson 1: Archaea, Bacteria, and Viruses			
1-2 days	Big Idea	SE, pp. 75–77; *TE, pp. 106–107	
	Lesson	SE, pp. 78–89; *TE, pp. 116–121	Screens 1–16
1 day	Review	SE, pp. 90–91; *TE, p. 122	
1 day	Assessment		◊ Lesson 1 Quiz
(Optional)	Labs		† Quick Lab: Observing Bacteria † Quick Lab: Modeling Viral Replication † Field Lab: Culturing Bacteria from the Environment

Lesson 2: Protists and Fungi			
1-2 days	Lesson	SE, pp. 92–103; *TE, pp. 132–137	Screens 1–15
1 day	Review	SE, pp. 104–105; *TE, p. 138	
1 day	Assessment		◊ Lesson 2 Quiz
(Optional)	Labs		† Quick Lab: What Do Protists Look Like? † Quick Lab: Observing a Mushroom’s Spores and Hyphae † Exploration Lab: Survey of Reproduction in Protists and Fungi
Lesson 3: Introduction to Plants			
1-2 days	Lesson	SE, pp. 106–117; *TE, pp. 148–153	Screens 1–15
1 day	Review	SE, pp. 118–119; *TE, p. 154	
1 day	Assessment		◊ Lesson 3 Quiz
(Optional)	Labs		† Quick Lab: Investigating Flower Parts † Quick Lab: Observing Transport

Lesson 4: Plant Processes			
1-2 days	Lesson	SE, pp. 120–131; *TE, pp. 164–169	Screens 1–15
1 day	Virtual Lab		Screens 1–17
1 day	Review	SE, pp. 132–133; *TE, p. 170	
1 day	Assessment		◊ Lesson 4 Quiz
1 day	Enrichment	S.T.E.M., SE, pp. 134–137; *TE, pp. 172–175	
(Optional)	Labs		† Quick Lab: Investigating Plant Pigments † Quick Lab: Observing Stomata † Exploration Lab: Fertilization in Angiosperms
Lesson 5: Introduction to Animals			
1-2 days	Lesson	SE, pp. 138–147; *TE, pp. 184–188	Screens 1–15
1 day	Review	SE, pp. 148–149; *TE, p. 189	
1 day	Assessment		◊ Lesson 5 Quiz
(Optional)	Labs		† Quick Lab: Form and Motion † Quick Lab: Characteristics of Animals
Lesson 6: Animal Behavior			
1-2 days	Lesson	SE, pp. 150–159; *TE, pp. 198–202	Screens 1–15
1 day	Virtual Lab		Screens 1–15
1 day	Review	SE, pp. 160–161; *TE, p. 203	
1 day	Assessment		◊ Lesson 6 Quiz
(Optional)	Labs		† Quick Lab: At a Snail’s Pace † Quick Lab: Modeling Predator-Prey Scenarios

Unit 2 Review and Assessment			
1 day	Video-Based Project		Animal Behavior
1 day	Review	SE, pp. 164–170; *TE, pp. 204–207	Online Unit Self Quiz
1 day	Assessment		◊ Unit 2 Test

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