Curriculum Conversion Chart for Apologia

Are you using another curriculum alongside the eScience program? This match-up sheet will help you really bring the scientific principles from your textbook to life and show you which experiments and activities work best with the chapter you are on.

Note: The eScience program does not cover creation nor evolution so ALL families can participate. The conversion charts we provide are for most requested texts from our members. For other curriculums, simply email us your TOC and we’ll create a conversion chart for you.

Apologia


- Module 4 (eScience Unit 3, Lessons 1 & 2 and Unit 10: Static Electricity Experiments)
- Module 6 (eScience Unit 6, Lesson 1 & 2; Unit 11, Lesson 2)
- Module 9 (eScience Units 1, 2, 4, 5 - all Lessons)
- Module 10 (eScience Unit 1, Lessons 1 & 2)
- Module 11 (eScience Units 1, 7 - all Lessons)
- Module 12 (eScience Units 10, 11 - all Lessons)
- Module 13 (eScience Unit 3, Lessons 1 & 2)
- Module 14 (eScience Unit 6, Lessons 1 & 2)
- Module 15 (eScience Unit 9, Lessons 1 & 2)
- Module 16 (eScience Unit 7, Lessons 1 & 2)


- Module 1, 2, 3, 4 (eScience Unit 2, Lessons 1 & 2)
- Module 5, 6, 7 (eScience Unit 1, Lessons 1, 2, & 3)
- Module 8, 9 (eScience Unit 4, Lessons 1 & 2)
- Module 10 (eScience Unit 5, Lessons 1 & 2)
- Module 11 (eScience Unit 6, Lessons 1 & 2)
- Module 12 (eScience Unit 9, Lessons 1 & 2)
- Module 13, 15 (eScience Unit 10, Lessons 1 & 2)
- Module 16 (eScience Unit 11, Lessons 1 & 2)

- Module 1 (eCamp Flight Lab, eScience Unit 3 Lesson 1)
- Module 2 (eScience Unit 13, Lessons 1 & 2)
- Module 3, 4 (eScience Unit 3, Lessons 1 & 2)
- Module 5, 6 (eScience Unit 15, Lessons 1 & 2)
- Module 10, 11, 14 (eScience Unit 8, Lessons 1 & 2)
- Module 15, 16 (eScience Unit 15, Lessons 1 & 2)


- Module 2, 3, 4 (eScience Unit 3, Lessons 1 & 2)
- Module 5, 6, 7, 8, 9 (eScience Unit 8, Lesson 1)
- Module 10, 11, 12, 13 (eScience Unit 8, Lesson 2) - Note: For Grades 5th and up, also use eScience Unit 15 Lessons 1 & 2
- Module 14 (eScience Unit 7, Lesson 1)

General Science by Dr. Jay Wile, 2nd edition.

- Module 1:
  - Expt 1.1 (eScience Unit 3: Lesson 1)
  - Expt 1.2 (eScience Unit 3: Lessons 1 & 2)
  - Expt 1.3 (eScience Unit 8: Lessons 1 & 2)
  - Expt 1.4 (eScience Unit 7: Lesson 2)

- Module 2 (eScience Unit 1: Lesson 2 & Parent Resources: The Scientific Method)
- Module 3 (eScience Unit 3: Lessons 1 & 2, eCamp: Bubblology)
- Module 4 (eScience Unit 4: Lessons 1 & 2)
- Module 6, 9, 10, 11, 12, 13, 14, 15, 16 (eScience Unit coming soon!)
All astronomy lessons are in Unit 7: Lesson 1 of the e-Science program.
Note: This list of experiments is only a partial list, as content is currently being added to the e-Science site.

- **Lesson 1**: The Solar System corresponds to the following e-Science Experiments:
  - The first experiment: “Astronomy”
  - Design a Solar System
  - Build a Real Scale Model of the Solar System
  - Solar System Treasure Hunt
- **Lesson 2**: The Sun corresponds to the following e-Science Experiments:
  - Song of the Sun
  - Solar Flares
  - How to View the Sun Safely
  - Recent Astronomical Events: Solar Flares and SOHO
- **Lesson 3**: Mercury corresponds to the following e-Science Experiments:
  - The first experiment: “Astronomy”
  - Retrograde Motion
- **Lesson 4**: Venus corresponds to the following e-Science Experiments:
  - The first experiment: “Astronomy”
  - Retrograde Motion
- **Lesson 5**: Earth corresponds to the following e-Science Experiments:
  - Satellite Crash!
- **Lesson 6**: The Moon corresponds to the following e-Science Experiments:
  - The first experiment: “Astronomy”
- **Lesson 7**: Mars corresponds to the following e-Science Experiments:
  - The first experiment: “Astronomy”
  - Retrograde Motion
- **Lesson 8**: Space Rocks corresponds to the following e-Science Experiments:
  - Meteorites
- **Lesson 9**: Jupiter corresponds to the following e-Science Experiments:
  - The first experiment: “Astronomy”
  - Current Position of Jupiter’s Moons
  - Recent Astronomical Events: Comet Shoemaker Levy Colliding with Jupiter
  - Galileo Probe Mission to Jupiter
- **Lesson 10**: Saturn corresponds to the following e-Science Experiments:
  - The first experiment: “Astronomy”
  - Cassini-Huygens Mission to Saturn
- **Lesson 11**: Uranus & Neptune corresponds to the following e-Science Experiments:
  - The first experiment: “Astronomy”
- **Lesson 12**: Pluto and the Kuiper Belt corresponds to the following e-Science Experiments:
  - The first experiment: “Astronomy”
• New Horizon’s Mission to Pluto

• Lesson 13: Stars & Galaxies corresponds to the following e-Science Experiments:
  o The first experiment: “Astronomy”
  o Star Trails
  o Star Charting
  o Buying a Telescope: How to Avoid Being Ripped Off

• Lesson 14: Space Travel corresponds to the following e-Science Experiments:
  o Space Shuttle Launch
  o NASA’s Deep Impact Mission
  o Voyager Mission
  o Mariner 10
  o Pioneer 10
  o Apollo 11 and the Saturn V Rocket Launch
  o Space Station Tour
Exploring Creation with Biology, 2nd edition by Wile and Durnell

- Module 1 (eScience Unit 16, Lessons 1 and 4)
- Module 2 (eScience Unit 17, Lesson 1)
- Module 3, 4 (eScience Unit 17, Lesson 2)
- Module 5 (eScience Parts of Units 8, Lesson 1 for information on molecules and Parts of Unit 17, Lesson 3 for information on photosynthesis)
- Module 6, 7 (eScience Unit 16, Lesson 2)
- Module 8 (eScience Unit 16, Lessons 3)
- Module 10 (eScience Units 17 and 18 all Lessons)
- Module 11, 12 (eScience Unit 18, Lesson 1)
- Module 13 (eScience Unit 18, Lesson 2)
- Module 14, 15 (eScience Unit 17, Lesson 3)
- Module 16 (eScience Unit 18, Lessons 2 and 3)

In addition to the above list, we’ve put together a specific list of experiments you can do with your textbook. Simply flip open to the module you’re studying in the textbook and then open up the corresponding e-Science experiment video.

Module 1
From Unit 16, Lesson 1: “Is it Alive?” “Thumb War Hypotheses,” “Similar and Different Organisms,” and “Classifying Objects”

From Unit 16, Lesson 4: “Anatomy of a Microscope,” “How to Use a Microscope,” “Preparing a Dry Mount,” and “Preparing a Wet Mount”

Module 2

Module 3
From Unit 17, Lesson 2: “Amoeba in Action” and “Build an Ecosystem”

Module 4
From Unit 17, Lesson 2: “How to Grow Mushrooms,” “Real Slime,” and “Yeast, Mold, and More”

Module 5
From Unit 17, Lesson 3: “Einstein’s Garden” and “The Science of Broccoli”
From Unit 16, Lesson 2: “Carbon Dioxide and Photosynthesis”
Module 6
From Unit 16, Lesson 2: “Cell Walls of Cotton” and “Membranes”

Module 7
From Unit 16, Lesson 2: “Onion Mitosis”
From Unit 16, Lesson 3: “Extracting DNA in Your Kitchen” and “DNA Fingerprinting”
From Unit 17, Lesson 1: “Do Bacteria Get Sick?” and “Flu Attack”

Module 8
From Unit 16, Lesson 3: “Tracking Traits” and “Family Pedigree”

Module 10
From Unit 17, Lesson 2: “Build an Ecosystem”
From Unit 18, Lesson 1: “Predator-Prey: Who Eats Whom”
From Unit 18, Lesson 2: “Terraqua Column”
From Unit 18, Lesson 3: “Why Do Birds Migrate?”

Module 11
From Unit 18, Lesson 1: “Amazing Octopi,” “Worms!” “Sponges and Cnidaria,” and “Sea Angel: Is it Real?”

Module 12
From Unit 18, Lesson 1: “Make an Insect Aspirator,” “Arthropods” and “Berlese Funnel”

Module 13
From Unit 18, Lesson 2: “The Vanity of a Betta,” “Amphibians,” and “Ray-Finned Fishes, Lobe-Finned Fishes, and Sharks!”

Module 14
From Unit 17, Lesson 3: “Stomata” and “Monocots and Dicots”

Module 15
From Unit 17, Lesson 3: “Three Ways to Grow a Plant,” and “Carnivorous Greenhouse,”
From Unit 16, Lesson 2 “Celery Stalk Race” and “Colored Flowers”
Module 16

From Unit 18, Lesson 2: “Lizard Strike” and “Snakes”

From Unit 18, Lesson 3: “Using Dolphins to Search for Aliens,” “Feather Hunt,” “Which Beak is Best,” and “Easy Non-Gross Chicken Dissection”

The Human Body: Fearfully and Wonderfully Made! By Wile and Shannon

- Module 1 (eScience Unit 16, Lesson 2)
- Module 2, 3, 4, 5, 6 (eScience Unit 19, Lesson 1)
- Module 7, 8, 9 (eScience Unit 19, Lesson 5)
- Module 10 (not covered in eScience)
- Module 11 (eScience Unit 19, Lesson 3)
- Module 12 (eScience Unit 19, Lesson 6)
- Module 13 (eScience Unit 19, Lesson 2)
- Module 14, 15 (eScience Unit 19, Lessons 4)

In addition to the above list, we’ve put together a specific list of experiments you can do with your textbook. Simply flip open to the module you’re studying in the textbook and then open up the corresponding e-Science experiment video.

Module 1

From Unit 16, Lesson 2: “Cell Walls of Cotton,” “Celery Stalk Race,” “Colored Flowers,” “Membranes,” and “Onion Mitosis”

Module 2

From Unit 19, Section 1: “Detecting Plaque”

Module 3

From Unit 19, Section 1: “Chemical Fingerprinting,” “Detective Boxes,” “Detecting Temperatures,” “Foggy Hands,” “Finger Thermometers,” and “Cooling and Heating”

Module 4

From Unit 19, Section 1: “Robotic Arm,” “Inside Bones,” and “What are Bones?”
Module 5
From Unit 19, Section 1: “Tricking Your Muscles,” “Testing Muscle Strength,” and “Tendon Reflex”

Module 6
From Unit 19, Section 1: “Testing Muscle Strength”

Module 7
From Unit 19, Section 5: “Disappearing Frog Experiment”

Module 8
From Unit 19, Section 5: “How Your Brain Feels Pain,” “Positive and Negative Feedback Loops,” and “Visual Reflex”

Module 9
From Unit 19, Section 5: “Eyeballoon,” “Water Lens,” “Camera Eyes,” “Sound Matching,” “Sound Whackers,” “Big Ears,” and “Nerve Tester”

Module 11
From Unit 19, Section 3: “Stethoscopes,” “Heart Rate Monitor,” “Seeing Your Pulse,” and “Donating Blood”

Module 12
From Unit 19, Section 6: “Can Bacteria Get Sick?”

Module 13
From Unit 19, Section 2: “PTC Tasting,” “Mapping Your Tongue,” and “Testing Spit Samples”

Module 14
From Unit 19, Lesson 4: “What’s Your Lung Capacity,” “Working Lung Model,” “Detecting Carbon Dioxide,” and “Consuming Oxygen”

Module 15
No labs listed
Exploring Creation with Chemistry and Physics

- Lesson 1
  - Unit 3: Lesson 1
- Lesson 2
  - Unit 3: Lesson 2
  - Unit 20: Lesson 1
- Lesson 3
  - Unit 8: Lesson 1
- Lesson 4
  - Unit 3: Lesson 2
  - Unit 8: Lesson 1
- Lesson 5
  - Water Purification Experiment
- Lesson 6
  - Units 1 & 2
- Lesson 7
  - Unit 1: Lesson 3
  - Unit 2: Lessons 1 & 2
- Lesson 8
  - Unit 5: Lessons 1 & 2
  - Unit 12: Lesson 1
- Lesson 9
  - Unit 6: Lessons 1 & 2
- Lesson 10
  - Unit 9: Lesson 1
- Lesson 11
  - Unit 13: Lessons 1 & 2
- Lesson 12
  - Unit 10: Lesson 1
- Lesson 13
  - Unit 11: Lesson 1
- Lesson 14
  - Unit 4: Lessons 1 & 2