ALTERNATIVE READING SCHEDULE

The textbook we recommend for Physical Science Explored, Novare *Physical Science*, can be an extra resource to help reinforce what students are learning in the lectures. While this is our preferred textbook, we know some parents prefer to use another textbook. On the following pages, we've included reading lists for several alternative textbooks that are often used by homeschoolers.

The following books are included in this reading list:

- *Physical Science*, BJU Press (6th edition)
- *Exploring Creation with Physical Science,* Apologia (3rd edition)
- *Physical Science*, ACSI/Purposeful Design (1st edition)
- *Science: Matter & Energy*, Abeka (1st edition)

While we cannot vouch for every detail in these textbooks, the reading lists provided here generally overlap with what is covered in each of the lessons in the course. We hope this resource is helpful.

Physical Science

BJU Press, 6th edition

Lesson	**Reading**
Lesson 1: Introduction to Physical Science & The Scientific Method	Sections 1A-1B
Lesson 2: Investigating Measurements & Unit Conversions	Section 1.7-1.8
Lesson 3: Tools for Scientific Study	Section 1.9 -1.10
Lesson 4: Classification & Properties of Matter	Sections 2.1-2.2; 2B
Lesson 5: Density & States of Matter	2.3; 2C-2D
Lesson 6: Structure of the Atom	Chapter 3
Lesson 7: Introducing the Periodic Table	Chapter 4
Lesson 8: Stability and Types of Bonding	Sections 5A-5B
Lesson 9: Exam 1	No reading
Lesson 10: Reading and Writing Chemical Formulas	Section 5.7
Lesson 11: Naming Ionic Compounds	No reading
Lesson 12: Naming and Writing Formulas for Molecular Compounds	Section 5.8
Lesson 13: Balancing Chemical Equations	Section 7A
Lesson 14: Types of Chemical Reactions	Section 7B-7C
Lesson 15: Solutions	Chapter 9
Lesson 16: Acids and Bases	Chapter 10

Lesson 17: Nuclear Changes	Chapter 8
Lesson 18: Exam 2	No reading
Lesson 19: Describing Motion	Sections 11.1-11.5
Lesson 20: Acceleration	Sections 11.6; 11.8
Lesson 21: Newton's 1st & 2nd Laws	Sections 12.1-12.5; 12.8
Lesson 22: Gravity & Projectile Motion	Sections 12.7; 11.9; 12.9
Lesson 23: Newton's 3rd Law	Sections 12.6; 11.7
Lesson 24: Work & Power	Section 13.1
Lesson 25: Exploring Energy, Heat, & Temperature	Sections 14A-14B; 15.1-15.2; 15.5
Lesson 26: Simple Machines	Sections 13.2-13.10
Lesson: 27: Exam 3	No reading
Lesson 28: Introduction to Waves	Sections 17.1-17.6
Lesson 29: Properties of Sound Waves	Chapter 18
Lesson 30: Light & Color	Chapter 21; 22A-22B
Lesson 31: Wave Behaviors	Sections 17.8; 22C-22D
Lesson 32: Exploring Electrical Charge	Section 19A
Lesson 33: Electric Circuits	Sections 19B & 19C
Lesson 34: Magnetism	Section 20A
Lesson 35: Exam 4	No reading

Exploring Creation with Physical Science

Apologia, 3rd edition

Lesson	**Reading**
Lesson 1: Introduction to Physical Science & The Scientific Method	Pages 1-16
Lesson 2: Investigating Measurements & Unit Conversions	Pages 17-27
Lesson 3: Tools for Scientific Study	No reading
Lesson 4: Classification & Properties of Matter	Pages 41-47; 55-70
Lesson 5: Density & States of Matter	Pages 48-53
Lesson 6: Structure of the Atom	Pages 79-97
Lesson 7: Introducing the Periodic Table	Pages 101-110
Lesson 8: Stability and Types of Bonding	Pages 121-132
Lesson 9: Exam 1	No reading
Lesson 10: Reading and Writing Chemical Formulas	Pages 151-158
Lesson 11: Naming Ionic Compounds	No reading
Lesson 12: Naming and Writing Formulas for Molecular Compounds	Pages 158-161
Lesson 13: Balancing Chemical Equations	Pages 115-121
Lesson 14: Types of Chemical Reactions	Pages 161-171; 174-176
Lesson 15: Solutions	No reading

Lesson 16: Acids and Bases	No reading
Lesson 17: Nuclear Changes	No reading
Lesson 18: Exam 2	No reading
Lesson 19: Describing Motion	Pages 187-205
Lesson 20: Acceleration	Pages 206-215
Lesson 21: Newton's 1st & 2nd Laws	Pages 225-231; 236-251
Lesson 22: Gravity & Projectile Motion	Pages 232-235; 259-262
Lesson 23: Newton's 3rd Law	Pages 252-253
Lesson 24: Work & Power	Pages 289-293
Lesson 25: Exploring Energy, Heat, & Temperature	Pages 271-287; 479-483
Lesson 26: Simple Machines	Pages 296-304
Lesson: 27: Exam 3	No reading
Lesson 28: Introduction to Waves	Pages 311-318
Lesson 29: Properties of Sound Waves	Pages 320-342
Lesson 30: Light & Color	Pages 349-353; 358-366; 384-388
Lesson 31: Wave Behaviors	Pages 367-376
Lesson 32: Exploring Electrical Charge	Pages 393-404
Lesson 33: Electric Circuits	Pages 408-418
Lesson 34: Magnetism	Pages 419-427
Lesson 35: Exam 4	No reading

Physical Science

ACSI/Purposeful Design, 1st edition

Lesson	**Reading**
Lesson 1: Introduction to Physical Science & The Scientific Method	Pages xii-xiii
Lesson 2: Investigating Measurements & Unit Conversions	Pages xiv-xv and section 1.1.2
Lesson 3: Tools for Scientific Study	No reading
Lesson 4: Classification & Properties of Matter	Sections 1.1.2-1.1.4;1.2.7
Lesson 5: Density & States of Matter	Sections 1.2.1-1.2.6
Lesson 6: Structure of the Atom	Sections 1.3.1-1.3.2
Lesson 7: Introducing the Periodic Table	Section 1.3.3
Lesson 8: Stability and Types of Bonding	No reading
Lesson 9: Exam 1	No reading
Lesson 10: Reading and Writing Chemical Formulas	No reading
Lesson 11: Naming Ionic Compounds	No reading
Lesson 12: Naming and Writing Formulas for Molecular Compounds	No reading
Lesson 13: Balancing Chemical Equations	Sections 3.2.1; 3.2.3
Lesson 14: Types of Chemical Reactions	Section 3.2.5
Lesson 15: Solutions	Sections 3.1.1; 3.1.2; 3.1.4

Lesson 16: Acids and Bases	Sections 3.3.1-3.3.4
Lesson 17: Nuclear Changes	Sections 5.2.1-5.2.2
Lesson 18: Exam 2	No reading
Lesson 19: Describing Motion	Pages 201-203
Lesson 20: Acceleration	Pages 204-206 and Section 4.1.4
Lesson 21: Newton's 1st & 2nd Laws	Sections 4.1.1-4.1.3
Lesson 22: Gravity & Projectile Motion	Section 4.1.4
Lesson 23: Newton's 3rd Law	Section 4.1.5
Lesson 24: Work & Power	Sections 4.2.1; 4.2.4
Lesson 25: Exploring Energy, Heat, & Temperature	Sections 4.2.2; 5.1.1; 5.1.3
Lesson 26: Simple Machines	Sections 4.2.5-4.3.5
Lesson: 27: Exam 3	No reading
Lesson 28: Introduction to Waves	Sections 6.1.1-6.1.2
Lesson 29: Properties of Sound Waves	Section 6.2
Lesson 30: Light & Color	Section 6.3.1-6.3.5
Lesson 31: Wave Behaviors	Section 6.1.3 and 6.4.1
Lesson 32: Exploring Electrical Charge	Sections 7.1.1-7.1.2
Lesson 33: Electric Circuits	Sections 7.1.4-7.1.6
Lesson 34: Magnetism	Section 7.2.1
Lesson 35: Exam 4	No reading

Science: Matter & Energy

Abeka, 1st edition

Lesson	**Reading**
Lesson 1: Introduction to Physical Science & The Scientific Method	Sections 1.2 - 1.3
Lesson 2: Investigating Measurements & Unit Conversions	Section 2.2
Lesson 3: Tools for Scientific Study	Section 2.1
Lesson 4: Classification & Properties of Matter	Sections 1.1, 7.1
Lesson 5: Density & States of Matter	Section 2.3, 3.1, 5.4
Lesson 6: Structure of the Atom	Sections 6.1-6.2
Lesson 7: Introducing the Periodic Table	Section 6.4
Lesson 8: Stability and Types of Bonding	Section 7.2
Lesson 9: Exam 1	No reading
Lesson 10: Reading and Writing Chemical Formulas	No reading
Lesson 11: Naming Ionic Compounds	No reading
Lesson 12: Naming and Writing Formulas for Molecular Compounds	No reading
Lesson 13: Balancing Chemical Equations	Pages 155-161
Lesson 14: Types of Chemical Reactions	Pages 161-163
Lesson 15: Solutions	No reading

Lesson 16: Acids and Bases	Pages 163-166
Lesson 17: Nuclear Changes	6.3
Lesson 18: Exam 2	No reading
Lesson 19: Describing Motion	Pages 213 - 219
Lesson 20: Acceleration	Pages 220-221
Lesson 21: Newton's 1st & 2nd Laws	Pages 222-226; pages 233-235
Lesson 22: Gravity & Projectile Motion	Pages 229-233
Lesson 23: Newton's 3rd Law	Pages 227-229; pages 238-240
Lesson 24: Work & Power	Pages 236-238
Lesson 25: Exploring Energy, Heat, & Temperature	Chapter 4; Section 5.2
Lesson 26: Simple Machines	Section 10.5
Lesson: 27: Exam 3	No reading
Lesson 28: Introduction to Waves	Section 11.1
Lesson 29: Properties of Sound Waves	Section 11.2
Lesson 30: Light & Color	Sections 12.1, 12.3
Lesson 31: Wave Behaviors	Sections 11.3, 12.2
Lesson 32: Exploring Electrical Charge	Chapter 13
Lesson 33: Electric Circuits	Sections 15.1 - 15.2
Lesson 34: Magnetism	Chapter 14
Lesson 35: Exam 4	No reading

Science: Matter & Energy, Abeka (1st edition)