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Month	September 17- October 19
<b>Text</b>	<b>Introductory Unit: Ready, Set, Science, pp. 1-28</b>
 <b>Essential Questions</b>	Lesson # 1. How do we use our senses to observe? 2. How do we use investigation skills? 3. How do we use science tools?
 <b>Big Idea</b>	Scientists ask questions about things and then investigate to find answers.
 <b>Key Standards</b>	4. Scientific progress is made by asking meaningful questions and conducting careful investigations. 4a- observe common objects by using their five senses 4b- describe the common properties of objects 4d- compare and sort common objects by one physical attribute 4e- communicate observations
 <b>Opportunities for Scientific Inquiry</b>	<ul style="list-style-type: none"> <li>Lesson 1-Investigate- TE p. 10 - Observing objects SB p. 3</li> <li>Lesson 2-Investigate- TE p. 16 - Sorting leaves- SB p. 5</li> <li>Lesson 3-Investigate- TE p. 22 - Using science tools-Investigate- SB p.7</li> </ul>
 <b>Opportunities for Hands-On</b>	<ul style="list-style-type: none"> <li>Lesson 1- Observing objects- TE p. 11- Student bk. p. 3</li> <li>Lesson 2- Sorting leaves- TE p. 17 Student book p. 5</li> <li>Lesson 3- Using science tools- TE p. 23 Student book p. 7</li> <li>Take Home Book- Activity book pp. AB 3-4</li> </ul>
 <b>Lesson Notes &amp; Resources</b>	<ul style="list-style-type: none"> <li>Lesson 1- Big Book pp. 3-4, Big Book of Science Songs and Rhymes- pp. 3-4, Vocabulary cards</li> <li>Lesson 2- Big Book pp. 5-6, Science Songs CD track 13, Vocabulary cards</li> <li>Lesson 3- Big Book pp. 7-8, Activity Book p. AB 19s, Vocabulary cards</li> </ul>
 <b>Cross-Curricular Tie-Ins</b>	<ul style="list-style-type: none"> <li><b>Lesson 1-</b> TE pp. 14-15: ELA- Use senses to observe objects and describe orally and with drawings; MATH- Graphing color of children’s eyes in the classroom; ART- Drawing and comparing body parts of animal’s and people’s senses; WRITING- I can...with my eyes, my hands, my nose, my ears, my mouth</li> <li><b>Lesson 2-</b> TE pp. 20-21: MATH-Make patterns and identify patterns using objects they have compared; MUSIC- Sing about colors, size, shape, textures; WRITING- Write comparing attributes of classroom objects (the..is...): SOCIAL STUDIES- Community helpers. See Unit 3 of Reflections; ELA- Asking and answering questions</li> <li><b>Lesson 3-</b> TE pp. 26-27: MATH— Compare weights, using measuring tools, measure how far students jump; SOCIAL STUDIES- Listen to stories about scientists and draw pictures of themselves as scientists; ART- Use magnifying glasses to look at objects and note colors they see. Draw dot pictures; ELA- Describe how to use science tools to observe physical attributes; H.M.- Comprehension skills: compare and contrast, noting details, use descriptive words; MATH- Shapes, colors, patterns; SOCIAL STUDIES - Compare and contrast what good citizens do and don’t do</li> </ul>
 <b>Assessment Possibilities</b>	<ul style="list-style-type: none"> <li>Assessment option-</li> <li>TE p. 4- Option 3- classroom observation and check for understanding</li> </ul>

Month	October 22 - December 21
Text	<b>Unit 1: The World Around Us, pp. 29-100</b>
 Essential Questions	<b>Lesson #</b> 1. What is matter? 2. How can matter be sorted? 3. How can magnets help us sort? 4. How can matter be described? 5. How can water change? 6. What sinks? What floats?
 Big Idea	We learn about things by observing them carefully.
 Key Standards	1. Properties of materials can be observed, measured, and predicted. 1a- objects can be described in terms of materials they are made of and their physical properties. 1b- water can be a liquid or a solid and can be made to change back and forth \ 4b- describe the properties of common objects 4d- compare and sort common objects by one physical attribute 4e- communicate observations orally and through drawings
 Opportunities for Scientific Inquiry	<ul style="list-style-type: none"> <li>• Lesson 1- Investigate- TE p. 46 Kinds of matter- SB p. 12</li> <li>• Lesson 2- Investigate- TE p. 54 The same and different- SB p. 15</li> <li>• Lesson 3- Investigate- TE p. 66 Using magnets SB p. 20</li> <li>• Lesson 4- Investigate- TE p. 72 Describing textures- SB p. 22</li> <li>• Lesson 5- Investigate- TE p. 84 How water changes- SB p. 27</li> <li>• Lesson 6- Investigate- TE p. 94 Sink and float –SB p. 31</li> </ul>
 Opportunities for Hands-On	<ul style="list-style-type: none"> <li>• Lesson 1- Kinds of matter- TE p. 47, SB p. 12</li> <li>• Lesson 2- Same and different- TE p. 55, SB p. 15</li> <li>• Lesson 3- Using magnets- TE p. 67, SB p. 20</li> <li>• Lesson 4- Describing textures- TE p. 73, SB p. 22</li> <li>• Lesson 5- How water changes- TE p. 85, SB p. 27</li> <li>• Lesson 6- Sink and float- TE p. 95, SB p. 31</li> </ul>
 Lesson Notes & Resources	<ul style="list-style-type: none"> <li>• <b>Introduce the unit-</b> Big Book pp. 10-11</li> <li>• <b>Lesson 1-</b> Big Book pp. 12-14, Activity Bk p. AB20, Big Book of Science Songs p. 6, vocab cards</li> <li>• <b>Lesson 2-</b> Big Book pp. 15-19, Activity Bk p. AB21, Big Book Science Songs p. 4, vocab cards</li> <li>• <b>Lesson 3-</b> Big Book pp. 20-21, Activity Bk p. AB23, vocabulary cards</li> <li>• <b>Lesson 4-</b> Big Book pp. 22-25, Activity Bk p. AB25, Big Book of Songs p. 1, track 13, vocab cards</li> <li>• <b>Lesson 5-</b> Big Book pp. 26-30, Activity Bk p. AB26, Science songs CD track 15, vocab cards</li> <li>• <b>Lesson 6-</b> Big Book pp. 31-32, Activity Bk p. AB27, Big Book of Science Songs p. 19, vocab cards.</li> <li>• <b>Unit Wrap-Up-</b> Big Book p. 33</li> </ul>
 Cross-Curricular Tie-Ins	<b>Lesson 1-</b> TE pp. 50-51: ELA- Matter Poems; ART- Draw pictures of solids and liquids found in nature; P.E.- Toss beanbags to different students and have them describe solids and liquids. <b>Lesson 2-</b> TE pp. 62-63: MUSIC- Sing songs about size, shape, color; ART- Make color wheel, blend colors; WRITING- Describe objects and opinions (I like..... I don't like.); MATH- Graph favorite colors <b>Lesson 3-</b> TE pp. 70-71: ART- Test the magnetism of various objects and draw them; MATH- Make a graph of magnetic, non-magnetic objects; P.E.- Students move to describe magnetic attraction; ELA- Compose sentences to describe the attraction of magnetic objects; H.M.- main idea and details TE p.R54 <b>Lesson 4-</b> TE pp. 80-81: ART- Make a collage from materials with different properties; MATH- Sort shapes; SOCIAL STUDIES- Organizing materials; WRITING- Observe, name and describe the position of objects <b>Lesson 5-</b> TE pp. 90-91: MATH- Measure evaporation; WRITING -Write class story about evaporation; MUSIC- songs about water; ELA- Poems about water; H.M.- main idea and details TE p. R54 <b>Lesson 6-</b> TE pp. 98-99: WRITING- Sink and float book; SOCIAL STUDIES- Oceans and composition of water of diverse bodies of water. Careers connected with water. Unit 4 of Reflections; HEALTH- How is water used for our health; MATH- Predict and check an object's ability to sink and graph
 Assessment Possibilities	Assessment options- TE p.34- Option 2 and 3

Month	January 7 - March 14
Text	<b>Unit 2: Animals and Plants, pp. 101-179</b>
 <b>Essential Questions</b>	<b>Lesson #</b> 1. What are living things? 2. What are animals like? 3. What do animals need? 4. How do animals grow and change? 5. What are plants like? 6. What do plants need? 7. How do plants grow and change?
 <b>Big Idea</b>	There are many different kinds of plants and animals on Earth.
 <b>Key Standards</b>	2. Different types of plants and animals inhabit the earth. 2a- observe and describe similarities and differences in the appearance and behavior of plants and animals. 2b- stories sometimes give plants and animals attributes they do not really have. 2c- identify major structures of common plants and animals 4e- communicate
 <b>Opportunities for Scientific Inquiry</b>	Lesson 1- Investigate- TE p. 118- living things poster- SB p. 36 Lesson 2- Investigate- TE p. 126- sorting animals- SB p. 39 Lesson 3- Investigate- TE p. 136- make a puzzle- SB p. 43 Lesson 4- Investigate- TE p. 146- growth and change- SB p. 47 Lesson 5- Investigate- TE p. 156- comparing plants- SB p. 51 Lesson 6- Investigate- TE p. 166- A plant's needs- SB p. 55 Lesson 7- Investigate- TE p. 172- observing plants- SB p. 57
 <b>Opportunities for Hands-On</b>	Lesson 1- TE pp. 118-119, SB p. 36 Lesson 2- TE pp. 126-127, SB p. 39 Lesson 3- TE pp. 136-137, SB p. 43 Lesson 4- TE pp. 146-147, SB p. 47 Lesson 5- TE pp. 156-157, SB p. 51 Lesson 6- TE pp. 166-167, SB p. 55 Lesson 7- TE pp. 172-173, SB p. 57
 <b>Lesson Notes &amp; Resources</b>	<b>Introduce the Unit-</b> Big Book pp. 34-35, Science in Action DVD <b>Lesson 1-</b> Big Bk pp. 36-38, Activity Bk p. AB29, Big Book of Science Songs p. 20, CD track 14, vocab cards <b>Lesson 2-</b> Big Bk pp. 39-42, Activity Bk p. AB 31, Picture Cards, Science Songs CD track 2, vocab cards <b>Lesson 3-</b> Big Bk pp. 43-46, Acty Bk p. AB 32, Pict cards 9, 14,31,33,34,37, Big Bk Songs p. 24, vocab cards <b>Lesson 4-</b> Big Bk pp. 47-49, Acty Bk p. AB 33, Picture cards 9, 11, 21-30, Big Bk Songs, p. 20, vocab cards <b>Lesson 5-</b> Big Bk pp. 50-54, Activity Bk, p. AB 35, Big Book of Science Songs p. 12, vocab cards <b>Lesson 6-</b> Big Bk pp. 55-56, Activity Bk, p. AB 36, Big Book of Science Songs pp. 22-23, vocab cards <b>Lesson 7-</b> Big Bk pp. 57-59, Activity Book p. AB 37, Science Songs CD track 4, vocab cards <b>Unit Wrap-Up-</b> Big Bk p. 60
 <b>Cross-Curricular Tie-Ins</b>	<b>Lesson 1-</b> Making Connections pp. 124-125: ART-real things collages; MATH- counting living/non-living; ELA- fiction/non-fiction; HEALTH- people as living things; H.M.- Main idea/details- TE p. 120, Big Bk p. 37 <b>Lesson 2-</b> Making Connections pp.132-133: WRITING- Animal riddles/paragraphs; ART- models of animals in clay or with construction paper; SOCIAL STUDIES- State animals; DRAMA- Act out animal behaviors <b>Lesson 3 -</b> Making Connections pp. 142-143: SOCIAL STUDIES- Animal needs/survival; MATH- Measurement; ELA- Match animals/shelters; H.M.- Main idea and details – TE p. 138 <b>Lesson 4-</b> Making Connections pp. 152-153: WRITING- Shared writing story about an animal's life cycle; ELA- Read <i>Frogs</i> from Big Bk p. 20; MATH- Sequence life cycle pictures; ART- observe and draw similarities/differences of animal parents and their young; H.M.- Sequence- TE p. 148, Big Bk p. 48 <b>Lesson 5-</b> Making Connections pp. 162-163: ELA- describing plants; WRITING- Shared writing of acrostic tree poem; MATH- Graph the types of plants; H.M.- Main idea and details-TE p. 158- Big Bk p. 52 <b>Lesson 6-</b> Making Connections pp. 170-171: ELA- plant words; WRITING- write/illustrate plant needs; MATH- Recording observations; H.M.- Sequence- TE p. 168, Big Book p. 56 <b>Lesson 7-</b> Making Connections pp. 178-179: ELA- Students identify and draw plant structures; MATH- Graph plant growth; HEALTH- Chart leaves, stems and roots of foods
 <b>Assessment Possibilities</b>	Assessment Options- TE p. 106

Month	March 31 - June 20
Text	<b>Unit 3: Our Earth, pp. 181-263</b>
 Essential Questions	<b>Lesson #</b> 1. What is earth made of? 2. What are mountains, valleys and deserts like? 3. What are rivers and oceans like? 4. How can we care for Earth? 5. What is weather? 6. How can we measure weather? 7. How does weather change with the seasons?
 Big Idea	Earth is made up of land, air and water.
 Key Standards	3. Earth is composed of land, air and water. 3a- characteristics of mountains, rivers, oceans, valleys, deserts and local landforms 4e- communicate observations orally and through drawings
 Opportunities for Scientific Inquiry	Lesson 1- Investigate- TE pp. 198-199 - Comparing land and water- SB. P. 63 Lesson 2- Investigate- TE pp. 204-.205- Earth's land model- SB p. 65 Lesson 3- Investigate- TE pp. 214- 215- Rivers flow- SB p. 69 Lesson 4- Investigate- TE pp. 220-.221- Make a paper vest- SB p. 71 Lesson 5- Investigate- TE pp. 232- 233- Watching the weather- SB p. 76 Lesson 6- Investigate- TE pp. 242-243- Measuring warm and cold - SB p. 80 Lesson 7- Investigate- TE pp. 250- 251- A book of seasons- SB p. 83
 Opportunities for Hands-On	Lesson 1- TE pp. 198-199, SB p. 63 Lesson 2- TE pp. 204-205, SB p. 65 Lesson 3- TE pp. 214-215, SB p. 69 Lesson 4- TE pp. 220-221, SB p. 71 Lesson 5- TE pp. 232-233, SB p. 76 Lesson 6- TE pp. 242-243, SB p. 80 Lesson 7- TE pp. 250-251, SB p. 83
 Lesson Notes & Resources	<b>Introduce the unit-</b> Big Bk pp. 61-62 <b>Lesson 1-</b> Big Bk pp. 63-64, Acty Bk p. AB39, picture cards 44,46,47,48, Sci Songs CD tracks 2,7, vocab cards <b>Lesson 2-</b> Big Bk pp. 65-68, Acty Bk p. AB41, picture cards 45-46, Big Bk of Sci Songs, p. 13, vocab cards <b>Lesson 3-</b> Big Bk pp. 69-70, Acty Bk p. AB42, picture cards 43-44, Big Bk Songs p. 19, Songs CD track 7 <b>Lesson 4-</b> Big Bk pp. 71-74, Acty Bk p. AB43, Science Songs CD track 8, vocab cards <b>Lesson 5-</b> Big Bk pp. 75-79, Acty Bk p. AB44, Big Bk of Sci Songs p. 16, Sci Songs CD track 10, vocab cards <b>Lesson 6-</b> Big Bk pp. 80-82, Acty Bk p. AB45, vocab cards <b>Lesson 7-</b> Big Bk pp. 83-88, Acty Bk p. AB47, Big Bk of Sci Songs pp. 14,15,17, Sci Songs CD tracks 10-11 <b>Unit wrap-up-</b> Big Bk p. 89
 Cross-Curricular Tie-Ins	<b>Lesson 1-</b> TE pp. 202-203: MATH- Chart and graph where animals live; SOCIAL STUDIES- California maps; ELA- Big book of Life on Earth; MUSIC- Songs about land, water, plants; ART – Sand paintings <b>Lesson 2-</b> TE pp. 210-211: MUSIC- landform songs; SOCIAL STUDIES- California maps; WRITING - Draw and describe (frontload... I would like to live in.. because...) where you want to live; MATH-weather graphs; H.M.- Main idea and details- TE p. 208, Big Book p. 67 <b>Lesson 3-</b> TE. pp. 218-219: DRAMA- Dramatize verbs connected with the ocean (swimming, splashing, kicking, sifting); SOCIAL STUDIES: Oceans of the World; MUSIC-ocean songs; WRITING- Draw and write about ocean characteristics; H.M.- Main idea and details- TE p.. Big Book p. 70 <b>Lesson 4-</b> TE pp. 228-229: ELA - Write about conserving resources; ART- recycled objects can be for art project.; H.M.- Main idea and details- TE p. 222, Big Book p. 72 <b>Lesson 5-</b> TE pp.238-239: MATH- Weather graphs; ELA- write story about weather; MUSIC- Big Book of Songs p. 16, Science Songs CD, track 10; WRITING- Group poem about weather; H.M.- Sequence-TE p. 234 <b>Lesson 6-</b> TE pp. 246-247: WRITING- Hot and cold poem; MATH- Measuring rain; ART- Observe and illustrate weather changes and cloud formations; SOCIAL STUDIES- Weather differences around the world <b>Lesson 7-</b> TE pp. 262-263: DRAMA- Act out how weather affects us; MATH- Seasons graph; ELA –Describe a tree changing through the seasons; SOCIAL STUDIES-Postcards/penpals
 Assessment Possibilities	Assessment options TE p. 186- Option 2 and 3

