

SUGGESTED PACING	
<p>STRAND: EARTH AND SPACE SCIENCE (ESS) Topic: Daily and Seasonal Changes This topic focuses on observing, exploring, describing and comparing weather changes, patterns in the sky and changing seasons. Content Statements: The moon, sun and stars can be observed at different times of the day or night.</p> <ul style="list-style-type: none"> • The moon, sun, and stars are in different positions at different times of the day/night. Sometimes the moon is visible at night, sometimes during the day, sometimes not at all. The observable shape of the moon changes in size slowly throughout the day of each month. The sun is only visible during the day. • The sun's position in the sky changes in a single day and from season to season. Stars are visible at night. Some are visible in the evening or morning and some are brighter than others. • Changes in the position of the sun in the sky can be measured and recorded at different times during the school day... This data can be compared from month to month to monitor changes. 	
PRINT RESOURCES	DIGITAL RESOURCES
<p><i>ScienceFusion</i></p> <ul style="list-style-type: none"> • Unit 5, TE pages, 154-169 • Unit 5, Big Book of Science Vocabulary, pages 15-16 • Unit 5, Big Book of Science Songs and Rhymes, page 18 <ul style="list-style-type: none"> ○ Science Songs CD, Track 12 • Unit 5, Science and Engineering Leveled Readers <ul style="list-style-type: none"> ○ On-Level/Below Level - <i>What's In the Sky?</i> ○ Above Level - <i>Patterns in the Sky</i> 	<p><i>ScienceFusion</i></p> <ul style="list-style-type: none"> • Unit 5, Lesson 15 Digital Lesson • Unit 5, Lesson 16 Digital Lesson • Unit 5 Virtual Lab "How Do Magnifiers Work?"
SCIENCE AND ACADEMIC VOCABULARY	
<p>Clouds, Moon, Sky, Stars, Sun</p>	
DIFFERENTIATION	FIELD EXPERIENCE CONNECTIONS
<p>Basic (Extra Support)</p> <ul style="list-style-type: none"> • Unit 5 TE pages 160, 168 <p>Advanced (Enrichment)</p> <ul style="list-style-type: none"> • Unit 5 TE pages 160, 168 • Unit 5 Trade Book Reading - TE page 153 	<p>Fall Months only: Nature Center at Shaker Lakes' ASK(Applied Science for Kids): Nature Alive Program Details: Standards-based programming guides students through the use of analysis and observation to determine what makes something alive. To prepare in advance In advance, plan to attend the professional development session to receive the activity kit (hands on activities and experiments) and receive the pre- and post-visit activities. For information contact: Raja Byrnside 216-321-5935 x243 or email byrnside@shakerlakes.org</p>
INQUIRY SKILLS	
<ul style="list-style-type: none"> • Compare • Predict 	
HANDS-ON INQUIRY AND APPLICATION	
<ul style="list-style-type: none"> • "How Does the Sky Change" (TE pages 150; 159) • "Compare Day and Night Sky" (Flipchart page 11, TE pages 150; 167) 	
ASSESSMENTS/PROGRESS MONITORING	ASSESSMENT GUIDE
<ul style="list-style-type: none"> • Sum it Up <ul style="list-style-type: none"> ○ Lesson 15 - SE page 62, TE page 158 ○ Lesson 16 - SE page 66, TE page 166 • Unit 5 Wrap-Up - TE page 170 • Unit 5 Performance Assessment - TE page 170 	
ACADEMIC CONNECTIONS TO OTHER DISCIPLINES	
<p>ELA: Journeys</p> <ul style="list-style-type: none"> • Make Connections - TE page 160-161 <ul style="list-style-type: none"> ○ Language Arts - Sing a Sunny Song ○ Drama - Role Play Wake-Up Activities • Make Connections - TE page 168-169 <ul style="list-style-type: none"> ○ Writing - Write on Illustrated Stars 	<p>MATH: Math Expressions</p> <ul style="list-style-type: none"> • Make Connections - TE pages 160 <ul style="list-style-type: none"> ○ Math - Sequence Daily Events • Make Connections - TE pages 168 • Math - Count the Stars in the Night Sky • Math Expressions Connection: <ul style="list-style-type: none"> ○ Unit 5 Lesson 2: Stars in the Night Sky MX TE pages 465-470 ○ Unit 5 Lesson 3: Stars in the Night Sky MX TE pages 471-476