



At-A-Glance

Unit 5: Shadows and Reflections

In Unit 5, *Shadows and Reflections*, children explore the properties and aesthetics of light, as well as the ways light is beneficial to people and animals. Children learn the science of shadows and reflections through hands-on investigations and exploration. In Small Groups and in Centers, children explore how light is used to convey feelings, emotions, and ideas in art and design. In this unit, there are numerous opportunities for children to investigate scientific concepts outdoors. In Unit 6, *Things That Grow*, the concepts and ideas studied in Unit 5 will be expanded and extended as children learn how light is necessary in life cycles of plants and animals.

Children continue to work collaboratively, develop interpersonal skills, and communicate their ideas and understandings effectively. Letter recognition, phonemic awareness, concepts of print, and vocabulary development skills continue to be developed and refined.

Exemplar Gallery

SWPL Foundational Literacy Scope and Sequence

SWPL Songs and Poems

OVERVIEW UNIT 5 RELATED STANDARDS



| ELA
| Math
| Social Studies
| Social & Emotional/
Approaches to Learning
| Physical Development
| Science
| Art





Big Ideas





- Light comes from natural and artificial sources.
- Shadows and reflections are products of light.
- Light affects people, animals, and things.



Guiding Questions



- What are sources of light?
- How does light affect the way things look?
- How is light important for people and animals?


	UNIT 5: Shadows and Reflections AT-A-GLANCE				
	<u>Weekly Plan • Materials</u> <u>Center Language Supports</u>	<u>Weekly Plan • Materials</u> <u>Center Language Supports</u>	<u>Weekly Plan • Materials</u> <u>Center Language Supports</u>	<u>Weekly Plan • Materials</u> <u>Center Language Supports</u>	<u>Weekly Plan • Materials</u>
	Week 1 SE.SD.PK4.4 SE.SD.PK4.5b SE.E.PK4.7a SE.E.PK4.3b AL.CI.PK4.2 AL.P.PK4.3	Week 2 SE.SD.PK4.3 SE.SD.PK4.5 SE.E.PK4.2b SE.E.PK4.7b AL.CI.PK4.4 AL.CI.PK4.2	Week 3 SE.SD.PK4.6b SE.SD.PK4.1b SE.E.PK4.5c SE.E.PK4.7c AL.CI.PK4.3 AL.P.PK4.3	Week 4 SE.SD.PK4.4b SE.SD.PK4.3b SE.E.PK4.8a SE.E.PK4.2 AL.PA.PK4.3 AL.P.PK4.4	Week 5
SE.SD.PK4.5a SE.SD.PK4.6 SE.E.PK4.1 SE.E.PK4.3 AL.PS.PK4.3 AL.PS.PK4.1	<u>Play with Me</u> vocabulary cards ELA.RL.PK4.1-7,9-10 ELA.SL.PK4.1-4,6 ELA.L.PK4.1,1c,4,6 <u>Raccoon on His Own</u> vocabulary cards ELA.RL.PK4.1-7,9-10 ELA.SL.PK4.1-4,6 ELA.L.PK4.1,1c,4,6 <u>Read Aloud Slides and Adapted Resources</u>	<u>Kitten's First Full Moon</u> vocabulary cards ELA.RL.PK4.1-7,9-10 ELA.SL.PK4.1-4,6 ELA.L.PK4.1,1c,4,6 <u>Read Aloud Slides and Adapted Resources</u>	<u>Dreams</u> vocabulary cards OR <u>Moonbear's Shadow</u> vocabulary cards ELA.RL.PK4.1-7,9-10 ELA.SL.PK4.1-4,6 ELA.L.PK4.1,1c,4,6 <u>The Puddle Pail</u> vocabulary cards ELA.RL.PK4.1-7,9-10 ELA.SL.PK4.1-4,6 ELA.L.PK4.1,1c,4,6 <u>Read Aloud Slides and Adapted Resources</u>	<u>Dreams</u> vocabulary cards ELA.RL.PK4.1-7,9-10 ELA.SL.PK4.1-4,6 ELA.L.PK4.1,1c,4,6 <u>The Puddle Pail</u> vocabulary cards ELA.RL.PK4.1-7,9-10 ELA.SL.PK4.1-4,6 ELA.L.PK4.1,1c,4,6 <u>Read Aloud Slides and Adapted Resources</u>	Revisit stories children were interested in or needed more help understanding or utilize any supplemental books.
Read Aloud 	Easel: <u>Painting a Woodland/Swamp resource</u> ELA.W.PK4.1 ELA.L.PK4.6 M.MD.PK4.2 S.PS.PK4.2 SS.OW.PK4.1 PD.FM.PK4.4 VA.CR2a.3.PK VA.CN10.1.PK Art Table: <u>Sorting Reflective/ Non-Reflective Materials</u> ELA.SL.PK4.6 ELA.L.PK4.4 M.MD.PK4.2 S.PS.PK4.2 S.ES.PK4.3 SS.OW.PK4.2 PD.SHS.PK4.3	Black, White & Gray Illustrations ELA.W.PK4.5 ELA.SL.PK4.4 M.MD.PK4.3 S.ES.PK4.2a SS.OW.PK4.2 PD.FM.PK4.4 VA.CR1a.1.PK VA.RE7.2.PK <u>Reflective Collages</u> ELA.RI.PK4.1 ELA.L.PK4.5 M.MD.PK4.3 S.PS.PK4.1 SS.FC.PK4.6b PD.FM.PK4.4 PD.SHS.PK4.3 VA.CR1a.2.PK VA.CR3a.1.PK	Dream Paintings OR <u>Illustrations with Outlines</u> ELA.SL.PK4.4 ELA.L.PK4.5d M.MD.PK4.1 S.PS.PK4.3a SS.FC.PK4.9 PD.FM.PK4.4 PD.FM.PK4.5 VA.CN10.1.PK TH.CR1a.1.PK Black, White & Gray Illustrations ELA.W.PK4.5 ELA.SL.PK4.4 M.MD.PK4.3 M.G.PK4.5 S.ES.PK4.2a SS.OW.PK4.2 PD.FM.PK4.4 VA.CR1a.1.PK VA.RE7.2.PK	Stained Glass Collage resource ELA.SL.PK4.1 ELA.L.PK4.1a M.MD.PK4.3 M.G.PK4.2 S.ES.PK4.1 SS.OW.PK4.2 PD.FM.PK4.5 VA.RE7a.1.PK VA.CR1a.2.PK	Revisit centers children were interested in or needed more support in.
Creative Arts 					

Library and Listening 	<u>Woodland/ Swamp Research resource</u> ELA.L.PK4.6 ELA.SL.PK4.2 S.LS.PK4.4c PD.FM.PK4.4 VA.CN10a.1.PK	<u>Researching Nocturnal Animals resource</u> ELA.RI.PK4.2 ELA.SL.PK4.5 M.MD.PK4.3 S.LS.PK4.3 PD.FM.PK4.4 PD.SHS.PK4.5	<u>Researching Puppets resource</u> ELA.W.PK4.6 ELA.RI.PK4.10 S.T.PK4.3 SS.OW.PK4.1 SS.FC.PK4.6b TH.CN11.2.PK	<u>Who Works at Night? resource</u> ELA.RI.PK4.7 ELA.RF.PK4.4 S.LS.PK4.4c SS.FC.PK4.2 SS.FC.PK4.7 PD.FM.PK4.4	
Puzzles (Manipulatives) 	<u>Woodland Animal Puzzles resource</u> ELA.L.PK4.1d M.CC.PK4.5a S.LS.PK4.3 PD.FM.PK4.1 PD.FM.PK4.2 TH.CN11a.1.PK	<u>Reflection Puzzles resource</u> ELA.SL.PK4.6 M.CC.PK4.5a M.MD.PK4.3 S.PS.PK4.2 PD.GM.PK4.3 PD.FM.PK4.2 VA.PR6a.1.PK	<u>Shadow Matching Game resource</u> ELA.SL.PK4.2 ELA.SL.PK4.4 S.T.PK4.1 SS.FC.PK4.2 PD.FM.PK4.3	<u>Shadow Puzzles resource</u> ELA.SL.PK4.6 M.CC.PK4.5 S.ES.PK4.2 SS.HE.PK4.1 PD.GM.PK4.3 PD.FM.PK4.2 TH.CN11a.1.PK	
Creative Writing 	<u>Woodland Swamp Research resource</u> ELA.W.PK4.5 ELA.RL.PK4.10 M.CC.PK4.5a S.LS.PK4.3 PD.FM.PK4.1 PD.FM.PK4.2 TH.CN11a.1.PK	<u>Reflection Search</u> ELA.W.PK4.5 ELA.W.PK4.6 M.MD.PK4.3 S.LS.PK4.4b S.T.PK4.2	<u>Shadow Illustrations resource</u> ELA.SL.PK4.6 M.MD.PK4.2 S.T.PK4.1 PD.FM.PK4.3 VA.CR1a.2.PK VA.CR2a.2.PK	<u>Shadow Search</u> ELA.RL.PK4.7 ELA.RL.PK4.9 M.CC.PK4.3 S.T.PK4.1 SS.OW.PK4.2 <u>Writing About Collections resource 1 resource 2</u> ELA.SL.PK4.1 ELA.W.PK4.5 S.ES.PK4.3 PD.FM.PK4.4 VA.PR4.1.PK VA.PR6.1.PK	
Blocks 	<u>Mylar and Block Structures</u> ELA.RI.PK4.8 ELA.L.PK4.5c M.CC.PK4.6 M.MD.PK4.2 S.T.PK4.1 S.ES.PK4.2a SS.OW.PK4.1 PD.FM.PK4.5 PD.SHS.PK4.3		<u>Skyline Block Structures resource</u> ELA.RI.PK4.7 ELA.L.PK4.1d M.G.PK4.5 M.MD.PK4.3 S.ES.PK4.2 S.T.PK4.1 SS.OW.PK4.2 SS.OW.PK4.4 PD.FM.PK4.4 PD.FM.PK4.5 VA.RE8a.1.PK VA.CR1a.2.PK	<u>Night City</u> ELA.RL.PK4.3 ELA.W.PK4.8 SS.OW.PK4.5 S.ES.PK4.2a S.ES.PK4.3a PD.FM.PK4.4 PD.FM.PK4.5 VA.CN11.1.PK VA.CR1a.2.PK	

Science 	<u>Reflections in Water resource</u> ELA.L.PK4.5c ELA.W.PK4.1c S.PS.PK4.1 S.T.PK4.1 VA.RE7a.2.PK		<u>Experimenting with Shadows resource</u> ELA.SL.PK4.1b M.MD.PK4.2a M.MD.PK4.2b S.PS.PK4.4 S.T.PK4.2	<u>Making Collections resource</u> ELA.W.PK4.1b M.MD.PK4.3 S.ES.PK4.3 PD.FM.PK4.1 PD.FM.PK4.4 VA.PR5a.1.PK	
Dramatic Play 	<u>Woodland/ Swamp resource</u> ELA.RF.PK4.4 ELA.RI.PK4.2 S.PS.PK4.2 S.LS.PK4.3 SS.OW.PK.4.2 TH.CR1a.1.PK TH.CN11a.2.PK		<u>Shadow Dancing resource</u> ELA.SL.PK4.2 ELA.W.PK4.1c S.T.PK4.1 S.PS.PK4.4 DA.CN11a.1PK TH.CN10a.1.PK TH.PR6a.1.PK		
Math-Hands-On (Manipulatives) 	X-Ray Vision 1 Compare Capacities	Compare Game Road Blocks	Pattern Block Puzzles X-Ray Vision 2	Dinosaur Shop Tangram Pictures	
Building Blocks Small Group Math-Hands-On (Manipulatives) 	What's the Missing Step? X-Ray Vision 1 <u>Building Blocks Record Sheet</u>	Length Riddles Places Scenes <u>Building Blocks Record Sheet</u>	What's the Missing Card? Pattern Block Puzzles <u>Building Blocks Record Sheet</u>	How Many Now? Dinosaur Shop (Adding) <u>Building Blocks Record Sheet</u>	X-Ray Vision 2 Places Scenes <u>Building Blocks Record Sheet</u>

<p>Building Blocks Clipboard Directions</p> 	<p><u>Unit 5 Week 1</u></p> <p>M.OA.PK4.4 M.OA.PK4.2</p>	<p><u>Unit 5 Week 2</u></p> <p>M.CC.PK4.4b M.CC.PK4.4a</p>	<p><u>Unit 5 Week 3</u></p> <p>M.OA.PK4.1 M.G.PK4.2</p>	<p><u>Unit 5 Week 4</u></p> <p>M.OA.PK4.2 M.CC.PK4.5a</p>	<p><u>Unit 5 Week 5</u></p> <p>M.OA.PK4.2 M.MD.PK4.2b</p>
<p>Literacy Small Group</p>  <p>h-high support i-independent m-medium support</p>	<p><u>Kaleidoscopes (h)</u> <u>Record sheet</u> <u>resource</u></p> <p>ELA.RL.PK4.1 ELA.SL.PK4.4 M.MD.PK4.3 M.G.PK4.4 PD.SHS.PK4.4 VA.CR1a.1.PK VA.RE8a.1.PK</p> <p><u>Reflective/Non - Reflective</u> <u>Materials (m)</u> <u>Record sheet</u></p> <p>ELA.L.PK4.5a ELA.SL.PK4.3 M.MD.PK4.3 M.G.PK4.3 PD.FM.PK4.1</p>	<p><u>Mirror Me (m)</u> <u>Record sheet</u></p> <p>ELA.SL.PK4.2 ELA.RI.PK4.2 S.PS.PK4.1 PD.SHS.PK4.3 PD.SHS.PK4.5</p> <p><u>Reflection Search (h)</u> <u>Record sheet</u></p> <p>ELA.SL.PK4.3 ELA.W.PK4.8 M.MD.PK4.3 S.ES.PK4.1 SS.OW.PK4.1</p>	<p><u>Shadow Search (m)</u> <u>Record sheet</u></p> <p>ELA.SL.PK4.1a ELA.RI.PK4.10 S.ES.PK4.1 SS.OW.PK4.1 PD.FM.PK4.3 PD.FM.PK4.4</p> <p><u>Shadow Puppets (h)</u> <u>Record sheet</u> <u>resource</u></p> <p>ELA.SL.PK4.1b ELA.RI.PK4.2 SS.OW.PK4.1 PD.FM.PK4.5 TH.CR1b.1.PK TH.PR6a.1.PK</p>	<p><u>Initial Consonant Sound- Letter</u> <u>Matching Game (m)</u> <u>Record sheet, resource</u></p> <p>ELA.L.PK4.2d ELA.RF.PK4.2d PD.FM.PK4.3</p> <p><u>Shadow Tracings (h)</u> <u>Record sheet</u></p> <p>ELA.SL.PK4.5 ELA.RI.PK4.10 SS.OW.PK4.4 PD.FM.PK4.1 PD.FM.PK4.4 VA.CR2.2.PK VA.CR2a.2.PK</p>	<p><i>Revisit any SG lesson based on student data or need.</i></p>

<p>LFOAI / Problem Stories / SEL (Social-Emotional Learning)</p>  <p>Problem Stories are used as needed, during this time.</p>	<p><u>Reflections</u> ELA.RI.PK4.7 ELA.SL.PK4.2 S.ES.PK4.2 S.PS.PK4.4</p> <p><u>Clear & Blurry Reflections resource</u> ELA.L.PK4.5 ELA.L.PK4.5d S.ES.PK4.3 S.T.PK4.1</p> <p><u>Sources of Light resource</u> ELA.L.PK4.4a ELA.RI.PK4.4 S.ES.PK4.2a S.ES.PK4.3</p> <p>Problem Stories</p>	<p><u>Reflections & Shadows resource</u> ELA.RI.PK4.9 ELA.L.PK4.1c S.ES.PK4.2</p> <p><u>Nocturnal & Diurnal Animals Resource1 Resource 2</u> ELA.RI.PK4.7 ELA.RI.PK4.3 S.LS.PK4.4 TH.CR1a.1.PK</p> <p><u>Shadows</u> ELA.RI.PK4.8 ELA.L.PK4.5 S.ES.PK4.2 PD.FM.PK4.1</p> <p>Problem Stories</p>	<p><u>Opaque, Transparent, and Translucent resource</u> ELA.RI.PK4.10 ELA.L.PK4.5c S.ES.PK4.3 S.ES.PK4.3a</p> <p><u>Shadow Puppets</u> ELA.L.PK4.5b ELA.RI.PK4.3 M.MD.PK4.1 S.PS.PK4.1</p> <p><u>Reflections on a Surface</u> ELA.RI.PK4.2 ELA.RI.PK4.10 S.PS.PK4.2 S.ES.PK4.2 M.G.PK4.2 M.G.PK4.3</p> <p>Problem Stories</p>	<p><u>Stained Glass resource</u> ELA.RI.PK4.9 ELA.L.PK4.1e M.G.PK4.2 S.PS.PK4.2 S.ES.PK4.2 VA.RE7.1.PK VA.RE8a.1.PK</p> <p><u>Museum Collections Resource 1 Resource 2</u> ELA.RI.PK4.8 ELA.L.PK4.5 S.ES.PK4.3 SS.FC.PK4.7 VA.RE7a.2.PK VA.RE8a.1.PK</p> <p><u>Light is Helpful Resource 1 Resource 2</u> ELA.RI.PK4.9 ELA.RI.PK4.7 S.PS.PK4.2 S.ES.PK4.2</p> <p>Problem Stories</p>	
<p>Transition Guidance/Songs, Word Play, and Letters (SWPL)</p> 	<p>Tell children that you are going to pretend that everyone's name starts with the first sound in lion /L/.</p> <p><u>Songs Word Play Letters (SWPL)</u></p> <p> ALL ELA (RF) Reading Standards for Foundational Skills are met, plus: ELA.RL.4.4b ELA.L.PK4.1a, 1b ELA.L.PK4.2, 2d ELA.L.PK4.4, 4a ELA.L.PK4.5, 5a, 5b, 5c, 5d ELA.L.PK4.6</p>	<p>Place letter cards face down. Challenge children to find the letters that correspond to the letter sounds you're looking for. For example, asking "Who can find the letter that makes the /m/ sound?" When a child selects a card or letter, check with the class to see if they agree. Transition some of the children who correctly identified the corresponding letter.</p> <p><u>Songs Word Play Letters (SWPL)</u></p> <p> ALL ELA (RF) Reading Standards for Foundational Skills are met, plus: ELA.RL.4.4b ELA.L.PK4.1a, 1b ELA.L.PK4.2, 2d ELA.L.PK4.4, 4a ELA.L.PK4.5, 5a, 5b, 5c, 5d ELA.L.PK4.6</p>	<p>Dismiss children by beginning or ending sound. "If your name begins with the /n/ sound line up." If possible, try to dismiss 3 or 4 children at a time.</p> <p><u>Songs Word Play Letters (SWPL)</u></p> <p> ALL ELA (RF) Reading Standards for Foundational Skills are met, plus: ELA.RL.4.4b ELA.L.PK4.1a, 1b ELA.L.PK4.2, 2d ELA.L.PK4.4, 4a ELA.L.PK4.5, 5a, 5b, 5c, 5d ELA.L.PK4.6</p>	<p>Place letter cards face up on the rug and hold up the book cover of one of the read alouds (Play with Me, Kitten's First Full Moon, etc.). Point to a letter from the book cover and have children find the match from the letter cards as they transition.</p> <p><u>Songs Word Play Letters (SWPL)</u></p> <p> ALL ELA (RF) Reading Standards for Foundational Skills are met, plus: ELA.RL.4.4b ELA.L.PK4.1a, 1b ELA.L.PK4.2, 2d ELA.L.PK4.4, 4a ELA.L.PK4.5, 5a, 5b, 5c, 5d ELA.L.PK4.6</p>	<p><i>Revisit transitions children were interested in or transitions that focus on skills children need more support in (e.g. rhyming, letter ID)</i></p> <p><u>Songs, Word Play, Letters (SWPL)</u></p> <p> ALL ELA (RF) Reading Standards for Foundational Skills are met, plus: ELA.RL.4.4b ELA.L.PK4.1a, 1b ELA.L.PK4.2, 2d ELA.L.PK4.4, 4a ELA.L.PK4.5, 5a, 5b, 5c, 5d ELA.L.PK4.6</p>

<div>Home Links</div> <div></div>	<u>Arabic, Cape Verde,</u> <u>Chinese, English,</u> <u>French, Haitian Creole</u> <u>Somali, Spanish,</u> <u>Portuguese, Vietnamese</u>	<u>Arabic, Cape Verde,</u> <u>Chinese, English,</u> <u>French, Haitian Creole</u> <u>Somali, Spanish,</u> <u>Portuguese, Vietnamese</u>	<u>Arabic, Cape Verde,</u> <u>Chinese, English,</u> <u>French, Haitian Creole</u> <u>Somali, Spanish,</u> <u>Portuguese, Vietnamese</u>	<u>Arabic, Cape Verde,</u> <u>Chinese, English,</u> <u>French, Haitian Creole</u> <u>Somali, Spanish,</u> <u>Portuguese, Vietnamese</u>	<u>Arabic, Cape Verde,</u> <u>Chinese, English,</u> <u>French, Haitian Creole</u> <u>Somali, Spanish,</u> <u>Portuguese, Vietnamese</u>
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