

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 STANDARDS

- Overview ELA
- Overview Math
- Overview Social Studies
- Overview Social & Emotional/ Approaches to Learning
- Overview Physical Development
- Overview Science
- Overview 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?

ISE.SD.PK4.5a ISE.SD.PK4.6 ISE.E.PK4.1 ISE.E.PK4.3 IAL.PS.PK4.3	UNIT 5: Shadows and Reflections AT-A-GLANCE					
	Weekly Plan • Materials Center Language Supports	Weekly Plan • Materials Center Language Supports	Weekly Plan • Materials Center Language Supports	<u>Weekly Plan</u> • <u>Materials</u> <u>Center Language Supports</u>	Weekly Plan • Materials	
	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	
Read Aloud	Play with Me vocabulary cards IELA.RL.PK4.1-7,9-10 IELA.SL.PK4.1-4,6 IELA.L.PK4.1,1c,4,6 Racoon on His Own vocabulary cards IELA.RL.PK4.1-7,9-10 IELA.SL.PK4.1-4,6 IELA.L.PK4.1,1c,4,6 Read Aloud Slides and Adapted Resources	Kitten's First Full Moon vocabulary cards ELA.RL.PK4.1-7,9-10 ELA.SL.PK4.1-4,6 ELA.L.PK4.1,1c,4,6 Read Aloud Slides and Adapted Resources	Dreams vocabulary cards OR Moonbear's Shadow vocabulary cards ELA.RL.PK4.1-7,9-10 ELA.SL.PK4.1-4,6 ELA.L.PK4.1,1c,4,6 The Puddle Pail vocabulary cards ELA.RL.PK4.1-7,9-10 ELA.SL.PK4.1-4,6 ELA.L.PK4.1-1,6 ELA.L.PK4.1,1c,4,6 Read Aloud Slides and Adapted Resources	Dreams vocabulary cards ELA.RL.PK4.1-7,9-10 ELA.SL.PK4.1-4,6 ELA.L.PK4.1,1c,4,6 The Puddle Pail vocabulary cards ELA.RL.PK4.1-7,9-10 ELA.SL.PK4.1-4,6 ELA.L.PK4.1,1c,4,6 Read Aloud Slides and Adapted Resources	Revisit stories children were interested in or needed more help understanding or utilize any supplemental books.	
Creative Arts	Easel: Painting a Woodland/Swamp resource ELA.W.PK4.1 ELA.L.PK4.6 M.MD.PK4.2 S.PS.PK4.2 SS.OW.PK4.1 PD.FM.PK.4.4 VA.CR2a.3.PK VA.CN10.1.PK Art Table: Sorting Reflective/ Non-Reflective Materials 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 Reflective Collages 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 Illustrations with Outlines ELA.SL.PK4.4 ELA.L.PK4.5d M.MD.PK4.1 S.PS.PK4.3a ISS.FC.PK4.9 IPD.FM.PK4.4 IPD.FM.PK4.5 VA.CN10.1.PK ITH.CR1a.1.PK Black, White & Gray Illustrations ELA.W.PK4.5 IELA.SL.PK4.4 M.MD.PK4.3 M.G.PK4.5 S.ES.PK4.2a ISS.OW.PK4.2 IPD.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.	

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

Science	Reflections in Water resource ELA.L.PK4.5c ELA.W.PK4.1c S.PS.PK4.1 S.T.PK4.1		Experimenting with Shadows resource ELA.SL.PK4.1b M.MD.PK4.2a M.MD.PK4.2b S.PS.PK4.4 S.T.PK4.2	Making Collections resource 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	Woodland/ Swamp resource LELA.RF.PK4.4 LELA.RI.PK4.2 S.PS.PK4.2 S.LS.PK4.3 SS.OW.PK.4.2 TH.CR1a.1.PK TH.CN11a.2.PK		Shadow Dancing resource LLA.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) Building Blocks Record Sheet	X-Ray Vision 2 Places Scenes <u>Building Blocks Record</u> <u>Sheet</u>

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

LFOAI / Problem Stories / SEL (Social-Emotional Learning)



Problem Stories are used as needed, during this time.

Reflections

ELA.RI.PK4.7 ELA.SL.PK4.2 S.ES.PK4.2

Clear & Blurry Reflections resource

ELA.L.PK4.5 ELA.L.PK4.5d S.ES.PK4.3

Sources of Light resource

|ELA.L.PK4.4a |ELA.RI.PK4.4 |S.ES.PK4.2a |S.ES.PK4.3

Problem Stories

Reflections & Shadows resource

ELA.RI.PK4.9 ELA.L.PK4.1c

Nocturnal & Diurnal Animals
Resource 1 | Resource 2

ELA.RI.PK4.7 ELA.RI.PK4.3 S.LS.PK4.4 TH.CR1a.1.PK

Shadows

ELA.RI.PK4.8 ELA.L.PK4.5 S.ES.PK4.2 PD.FM.PK4.1

Problem Stories

Opaque, Transparent, and Translucent

ELA.RI.PK4.10

ELA.L.PK4.5c

S.ES.PK4.3a

Shadow Puppets

ELA.L.PK4.5b ELA.RI.PK4.3 M.MD.PK4.1

S.PS.PK4.1

Reflections on a Surface

ELA.RI.PK4.2 ELA.RI.PK4.10 S.PS.PK4.2

S.ES.PK4.2 M.G.PK4.2

M.G.PK4.2

Problem Stories

Stained Glass resource

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

Museum Collections

Resource 1 | Resource 2 | ELA.RI.PK4.8 | ELA.L.PK4.5

S.ES.PK4.3 SS.FC.PK4.7

VA.RE7a.2.PK

<u>Light is Helpful</u> Resource 1| Resource 2

ELA.RI.PK4.9 ELA.RI.PK4.7 S.PS.PK4.2

S.ES.PK4.2

Problem Stories

Transition Guidance/Songs, Word Play, and Letters (SWPL)



Tell children that you are going to pretend that everyone's name starts with the first sound in lion /L/.

Songs Word Play Letters (SWPL)

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 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.

Songs Word Play Letters (SWPL)

I 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

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.

Songs Word Play Letters (SWPL)

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

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.

Songs Word Play Letters (SWPL)

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

Revisit transitions children were interested in or transitions that focus on skills children need more support in (e.g. rhyming, letter ID)

Songs, Word Play, Letters (SWPL)

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

Home Links



Arabic, Cape Verde, Chinese, English, French, Haitian Creole Somali, Spanish, Portuguese, Vietnamese Arabic, Cape Verde, Chinese, English, French, Haitian Creole Somali, Spanish, Portuguese, Vietnamese Arabic, Cape Verde, Chinese, English, French, Haitian Creole Somali, Spanish, Portuguese, Vietnamese Arabic, Cape Verde, Chinese, English, French, Haitian Creole Somali, Spanish, Portuguese, Vietnamese Arabic, Cape Verde, Chinese, English, French, Haitian Creole Somali, Spanish, Portuguese, Vietnamese