



Month: October Week: 3 Subject: Science

Day 1	Topic(s)	Foundation(s)
	Theme: Under Construction; Learning In Progress Number: 12 Letter: Ff Color: Black Shape: Triangle	<p>SC1.1 Demonstrate ability to explore objects in the physical world</p> <p>SC5.1 Demonstrate scientific curiosity</p>
Indicators	Younger Preschool	Older Preschool
	May explore the texture of oobleck by touching, squishing, and scooping.	May describe how oobleck changes when squeezed versus when left still.

Activity: Oobleck Construction Site

Children will explore oobleck (a mixture of cornstarch and water) in a sensory bin with toy trucks, rocks, and scoops. Younger preschoolers will be encouraged to simply explore with their hands, noticing that it feels both solid and liquid. Older preschoolers will be guided to talk about why it changes when squeezed and compare it to mud or cement at a construction site. Teachers may extend by asking older children to predict what will happen when more water or cornstarch is added and test their predictions together.

Resources/Materials <ul style="list-style-type: none"> • Cornstarch, water • Sensory bins, toy trucks, scoops, rocks 	Key Vocabulary: oobleck, liquid, solid, mix, change	Support:
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Day 2	Topic(s)	Foundation(s)
	Theme: Under Construction; Learning In Progress Number: 12 Letter: Ff Color: Black Shape: Triangle	SC1.2 Demonstrate awareness of the physical properties of objects SC5.1 Demonstrate scientific curiosity
Indicators	Younger Preschool	Older Preschool
	May notice shadows made with flashlights and point to shapes they see.	May explain how shadows change when objects move closer or farther from the light.

Activity: Shadow Play

Children will use flashlights, toy trucks, and construction hats to create shadows on the wall. Younger preschoolers will explore by noticing the shapes and sizes of shadows. Older preschoolers will experiment with moving objects closer and farther from the light to observe changes. Teachers may extend by asking older children to draw the shadow shapes they created and compare them to the real object.

Resources/Materials	Key Vocabulary:	Support:
<ul style="list-style-type: none"> Flashlights Toy construction items 	shadow, light, dark, big, small	



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	Theme: Under Construction; Learning In Progress Number: 12 Letter: Ff Color: Black Shape: Triangle	SC1.2 Demonstrate awareness of the physical properties of objects SC5.1 Demonstrate scientific curiosity
Indicators	Younger Preschool	Older Preschool
	May describe rocks using simple words such as “hard” or “rough.”	May compare rocks by size, texture, weight, and color.

Activity: Rock Observation

Children will be given a collection of rocks to observe and explore. Younger preschoolers will use descriptive words such as big, small, smooth, or rough. Older preschoolers will sort rocks by characteristics and may use magnifying glasses to look for details such as sparkles or lines. Teachers may extend by charting the children’s observations and asking older children to predict which rocks are heavier before weighing them with a balance scale.

Resources/Materials	Key Vocabulary:	Support:
<ul style="list-style-type: none"> • Rocks in various shapes and sizes • Magnifying glasses • Balance scale 	rock, smooth, rough, heavy, light, color	



Month: October Week: 3 Subject: Science

Day 4	Topic(s)	Foundation(s)
	Theme: Under Construction; Learning In Progress Number: 12 Letter: Ff Color: Black Shape: Triangle	SC4.1 Demonstrate engineering design skills SC6.1 Demonstrate decomposition of larger tasks into smaller steps
Indicators	Younger Preschool	Older Preschool
	May stack blocks or cubes with support.	May plan, build, and test towers using different strategies to make them stable.

Activity: STEM Tower Challenge

Children will work with craft sticks, cubes, and blocks to build the tallest tower they can. Younger preschoolers will practice stacking and balancing pieces, celebrating each attempt. Older preschoolers will be challenged to problem-solve by trying different designs to improve stability. Teachers may extend by asking children to compare towers, measure them, and discuss what design choices made them strong or weak.

Resources/Materials	Key Vocabulary:	Support:
<ul style="list-style-type: none"> Craft sticks, cubes, blocks Measuring tape or rulers 	tower, build, balance, tall, stable	



Month: October Week: 3 Subject: Science

Day 5	Topic(s)	Foundation(s)
	Theme: Under Construction; Learning In Progress Number: 12 Letter: Ff Color: Black Shape: Triangle	SC3.1 Demonstrate awareness of life SC1.1 Demonstrate ability to explore objects in the physical world
Indicators	Younger Preschool	Older Preschool
	May scoop and dig in the dirt, noticing textures and small natural items.	May use tools to search for objects and describe findings in detail.

Activity: Dirt Digging Bin

Children will explore a sensory bin filled with soil, toy shovels, and magnifying glasses. Younger preschoolers will practice digging, scooping, and pouring dirt, noticing differences in texture (dry vs. moist). Older preschoolers will be guided to search for hidden items such as rocks, pretend worms, or seeds, and describe their discoveries. Teachers may extend by planting seeds in the dirt and asking children to predict what will happen over time.

Resources/Materials	Key Vocabulary:	Support:
<ul style="list-style-type: none"> • Soil in sensory bins • Shovels, scoops, magnifying glasses • Small hidden items (rocks, seeds, toy worms) 	dirt, dig, soil, scoop, find, grow	