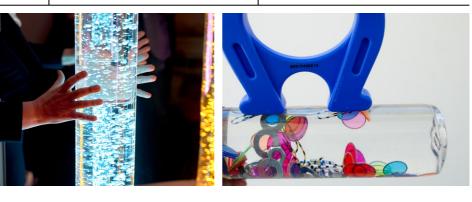


Seasons sensory bottles

ummary					
Date			Total duration	70 minutes	
Subject	Making four sensory bottles, one for each season, will engage students in science (physics), notably magnetism, while also teaching them about the seasons.				
Year Group or Grade Level	3-6 years old				
Main topic	 The students will learn what are the four seasons colours and how they can represent each season in a sensory bottle. The students will predict, explore magnetic items and they will record the results on journal or worksheet. 				
Subtopics or Key concepts	Magnetism and magnetAttraction and repel	etic poles	Cooperative learningConstructivism		
earning Objectives	;				
of magnetism. • To demonstrate combining differ season sensory b	eschoolers to predict and	 To provide preschoolers with an opportunity to document and reflect on their observations. To enhance preschoolers' fine motor skills like hand to eye coordination. To foster creativity and artistic expression in preschoolers. 			
laterial needed					
 Magnetic items (paperclips, washers, bolts, screws, pipe cleaner) 4 Plastic or glass water bottles Baby oil, Food colouring Magnetic wand 		 Flowers, Leaves, pebbles, sand, seashells Glitter, Fake snow, &/or snowflakes Pom-poms Funnel Journal for observations 			

Lesson Outline							
	Duration	Guide	Remarks				
warm-up	10 minutes	Begin by introducing the concept of seasons to the preschoolers. Show them pictures or nature in each season.					
	05 minutes	Explain children that they are going to make 4 sensory bottles one for each season. Record their ideas of what can they include int the bottles.	TIP: Children can be split in four goups, so each group can create a seasonal bottle.				
main activity	05 minutes	You can add snowflake or fake snow & glitter to create the winter effect.					
	05 minutes	To make a spring sensory bottle, you can insert a few flowers into empty water bottle.					
	05 minutes	Fill an empty bottle with some sand, then add a few rocks, pebbles and seashells to make the summer sensory bottle.	Add a drop of blue food coloring to create an ocean effect (optional).				





	05 minutes	Add some autumn leaves or metallic confetti and gold glitter to make the autumn sensory bottle.					
main activity	05 minutes	Add some water or baby oil into the bottles and seal the bottles.		Allow children to explore the bottles, shake them and take a look of all seasons.			
	05 minutes	Hand out magnets and ask children what happens.		Ask students to use the magnetic wand to explore if the items inside their nonmagnetic sensory bottle are moving.			
	10minutes	Add the magnetic items to the bottle (like paperclips, screws, pipe cleaners) and seal them again.		Hand out magnets and ask children what happens this time.			
Assessment exercise							
assessment	10-15 minutes	Ask children what items moved when they were waving the wand		Make a list of the items that were pulled by the magnet and the ones who were not, to sort out the magnetic items and non magnetic ones.			
Conclusions and recommendations							
 Magnets can push or pull one another in different directions. Magnets are typically powerful enough that you can use one to move another around on top of a table without having them come into contact. Attraction is what happens when magnets bring things together or closer together. Magnets repel when they push other objects or themselves away. 			Further reccomendations for the teachers: https://littlebinsforlittlehands.com/magneticse nsory- bottle/				