Belton Primary School

Whole School Science Activity

Rolling Programme

Cycle A

	EYFS	Yr 1/2	Yr 3/4	Yr 5/6
Autumn Fly High Friday	Allow the children the time to explore how they can make paper fly. The teacher could demonstrate the air-powered rocket, then the children could make either the stunt planes or the straw planes. The children will choose the one they think will fly the farthest, try it and then the class teacher should record the result.	Who can make paper fly the farthest? How to make paper fly 1. Air rocket 2. Straw Planes 3. Stunt Plane How will children measure how far it will fly?	Who can make paper fly the farthest? Children will learn how to fly and what makes different things fly – birds, planes and helicopters. They will then make a:- 1. Air rocket 2. Straw Planes 3. Stunt plane They will measure how far it will fly and then adapt it to travel further.	Who can make paper fly the farthest? Children will learn how to fly and what makes different things fly – birds, planes and helicopters. They will then make a:- 4. Air rocket 5. Straw Planes 6. Stunt plane Children will test a few times and get the mean distance. They will make each test as similar as possible
Spring Which Biscuit is the best Dunker?	Gingerbread man story. What happens to the gingerbread man in water?	Are filled biscuits or plain biscuits better for dunking?	How do different brands of biscuits compare? They will investigate which biscuit makes the best dunker.	How does the shape of a biscuit/ number of layers/ chocolate topping affect its dunkability? They then come up with their own questions.
Summer Bubbles	Exploring how to make the biggest and best bubble possible! Provide a range of bubble wands and mixtures to explore, a range of tools such as straws, whisks, spoons etc/ Attempt to make a huge bubble with PE hoop. Encouraging the use of appropriate vocab and	Testing one brand of bubble bath to see how we can make the most bubbles. Try different methods such as whisking, spoon, blowing with a straw – compare the bubbles made each time. Using the element of time (sand timer to keep the test fair) discuss ways of recording the amount of bubbles made (photos to	We have been e-mailed by a new bubble bath company and want us to be secret spies. Test a range of bubble baths to see which one makes the most bubbles to see if they are the best. Keep the test fair by using the same quantity of mixture (measured in ml) and decide which method to use to make the bubbles (whisk, blow, stir, agitate) and mixing for the same length of time.	Come up with a new bubble bath formula - which one last the longest? Children will come up with their own brand of bubble bath. They will come up with a formula and test it against other brands. What must they do to ensure their bubbles last? What do they add?

	making very simple predictions. Possible record their thoughts in written or pictorial form (HAP)	compare size) how much of the bowl they fill?	Discuss how we will measure and compare them. (Using standard measures- for example how far in cm do the bubbles come up in the jug). Present evidence in table/ graph form	

Cycle B

	EYFS	Yr 1/2	Yr 3/4	Yr 5/6
Autumn Christmas	Melting Snowman. Use packing peanuts which are made from biodegradable corn starch. Using permanent markers encourage the children to draw faces on them. Then makes them melt. Fill a bowl with room temperature water – pop one of the snowmen in. What happens? Does the temperature of the water affect the snowman melting?	Rudolf races – make balloon reindeer – which one gets to the end quickest. Does the size of the balloon affect the speed?	Candy Cane experiment Which material will melt the candy cane the quickest? What will happen to the candy cane when you put it in hot water? Put a candy cane in different liquids Vinegar, cold water, hot water, oil. Observe what happens over time – why?	Snowball Launcher How can you make a snowball launcher using a cup and a balloon? Does the size of the balloon affect how far the snowball will travel?
Spring Make a lava lamp https://sciencebob.com/blobs-in-a-bottle-2/	What can we observe when we make a lava lamp?	Does the size of the bottle affect the amount of bubbles produced?	Does the temperature of the water affect the reaction?	Does the size of the tablet pieces affect the number of blobs created? What happens if we take the cap off?
Summer	What minibeasts can we find in our school grounds? Plant sunflowers	Which minibeast is mostly in our school grounds?	What habitat do most of the minibeasts in our school grounds live in?	Can we make a classification table for the minibeasts on our school grounds?

Our school grounds - minibeasts		Plant a wild flower garden.	Make a bug hotel	Make a bee hotel and signs for the forest school.