

Making Connections

To support BSW The STEM Hub working with STEM Ambassadors have created three sets of materials for use in schools. They are signposted as early years (3-6 years) Under 8s (which could be used by any under 8s including early years) and over 8s.

With the impact of Covid still being felt a more flexible approach has been taken so that teachers and parents can find learning materials that most suit their children. Some activities have a ✱ signifying they can be used by any age group. These might make great activities for home learning.

There are also 10 of the activities hidden behind symbols. There is a competition if you can find the connection between the activity and the symbol – if you submit these you will be sent a certificate and could win a prize if yours is selected as the best answer.

Send the answers to askanambassador@canterbury.ac.uk

At the end of each activity there is information about how you can submit your work to receive prizes if these are published on the gallery. Have fun and enjoy finding the connections!

Early Years	Activity	Resources	Safe working
Journey Stick	Take a stick on a walk and tell the story of the walk connecting the items	A stick, some string or wool. Somewhere to collect natural things	Make sure children are supervised and don't pick up any sharp items. Wash hands when you get back
Chocolate Towers*	Making buildings using biscuits and melted chocolate	Chocolate, a range of biscuits and a flat surface to build on	Hand washing and checking for allergies.
Creative Creatures	Making insects from craft materials	Pom poms, card, glue, scissors and felt tips/ crayons	Supervise small children with scissors
Moon Rocks*	Making moon rocks	500g caster sugar, 2 tbs bicarbonate of soda and golden syrup	Work with an adult as hot ingredients can burn

Under 8's	Activity	Resources	Safe working
Spaghetti Structures*	A STEM Ambassador shows how to make building with simple materials	Spaghetti and small sweets	Be aware of allergies
Robo Bugs	Designing bugs that help solve problems and connect people and things	Pens, and paper	
Soil Painting	Using everyday materials to create pictures and learn about soils	Paper, plastic gloves, everyday materials (soil, plants) paper	Soils can contain microorganisms, wear gloves and wash hands
Confusing Cans*	Which cans roll furthest	Cans with different food contents, a simple ramp (or pushing)	Care when opening cans. May need adult supervision

Over 8's	Activity	Resources	Safe working
Clean Air	Project to test air pollution	Research, collecting data. Download form	Be careful near busy roads
Seek	Smart phone classification with inbuilt challenges	Free app loaded to a smart phone or tablet. Living organisms to classify	Don't take living things from their habitats. Take pictures and don't touch living things
Fingerprints	Looking at fingerprints	Coco powder, paper, sellotape, magnifying glass	Check allergies when using powders
Dinosaur Classification	Using history to identify types of dinosaurs	Paper, pencils	
Back Garden Phylogenies	Making links with organisms you find	Garden, park or woodland, paper and pencil	Wash hands and be careful with living things
Eco Systems *	Linking everyday plants and animals in your environment	Taking a paper and pencil on a walk, tablet or phone may be helpful	Draw but do not pick up plants or animals
Selective Breeding	The connections between food and animals	Paper and pencil	
Marble Run*	Creating a marble run using everyday materials	Chair, box, stool, paper, card, marbles, scissors, tape	Marbles on the floor could be a trip hazard. Careful use of materials
Electricity	Will the circuit light up – and why?	Worksheet and pencil	