STEAM

Bright Little Stars Nursery

STEAM stands for **Science**, **Engineering**, **Arts** and **Maths** and helps children learn by **exploring**, **experimenting**, **building**, **creating** and **solving problems**.

Sink or Float Bath Science

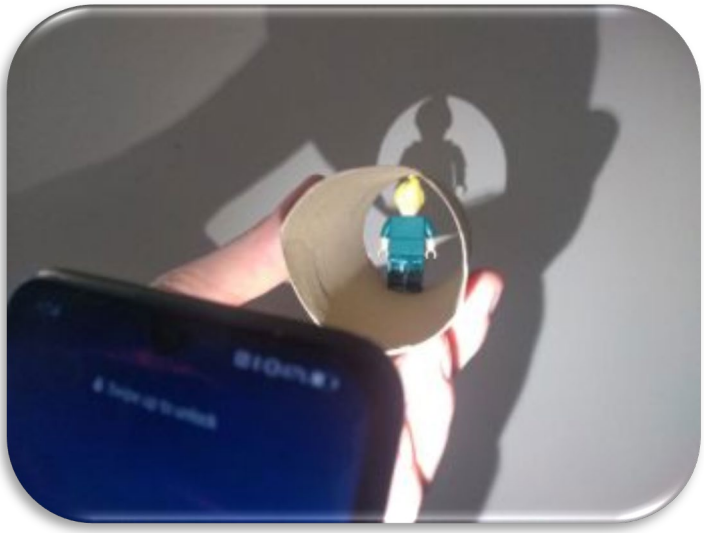
Fill a bowl, or the bath with water and test safe household items. Make a "guess" first, then check.

Ramp Races

Use a tray/book/cushion/ironing board as a ramp and roll cars/balls. Change the height and see what goes faster/further.

Build the Tallest Tower

Use blocks, cups, or boxes. How many can you stack before it falls? Try again with a stronger base.



Shadow Play

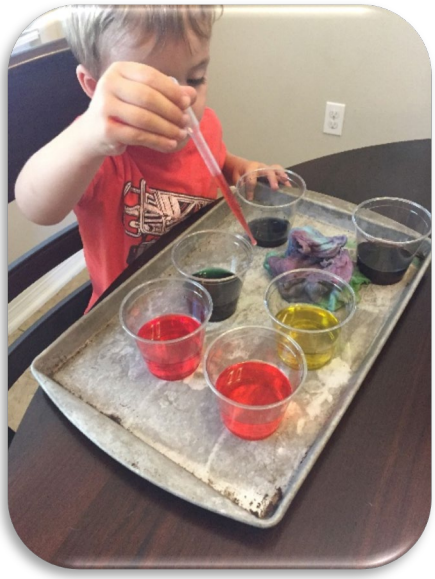
Use a torch and make shadows with hands or toys. Move closer/further and notice what changes.

STEAM

Bright Little Stars Nursery

Ice Rescue

Freeze small toys in ice. Try salt, warm water, or spoons to "rescue" them and compare what works best.



Colour Mixing Lab

Mix paint or food colouring (red/yellow/blue). Predict the new colour, then test it.

Nature Scavenger Hunt

Find items outside (leaf, twig, smooth stone). Sort by colour, size, or texture.

Bubble Engineering

Make bubble mix and test different "wands" (pipe cleaner, whisk, bottle top). Which makes biggest bubbles?

Bright Little Stars Nursery

Pattern Making

Use socks, buttons, or pasta to make repeating patterns (red-blue-red-blue). Copy and extend patterns.

Mini Bridge Challenge

Build a bridge with blocks or cardboard between two chairs/books. Test with toy animals/cars.

Cup Measure Cooking

Help make simple snacks (fruit salad, sandwiches). Count spoons/cups and compare "more/less."

Magnetic Hunt

Use a fridge magnet to test what sticks around the house (with supervision). Sort into "magnetic/not."

Bright Little Stars Nursery

Recycled Robot

Use boxes, tubes, lids to create a robot/vehicle. Talk about parts and purpose.

My First 'Algorithm' Game

Give step-by-step directions to find a toy, or navigate a maze. ("2 steps forward, turn left"). Swap roles.

Build a Den

Make a cosy den with blankets/cushions. Problem-solve: "How do we stop it falling?"