

Studio One - Little Explorers STEM and Robotics

Week 1 - March 28th to April 1st

Date	STEM	Coding
04/04/22	Spinning Tops Help Sam and Sara build a device that will help spinning tops spin!	Be a robot KUBO and TagTiles (Understanding directions and movements using KUBO)
05/04/22	Raft Help build a sail that will help Sam and Sara's raft go faster. Explore balance, buoyancy, wind energy.	KUBO's First Day Remembering Routes (Building routes on maps using KUBO's coding tiles)
06/04/22	Ice Hockey Player Build a third team member that is good at playing long shots. Explore stability, motion, movement, energy.	KUBO plays KUBO takes the bus (Make KUBO 'memorize' the routes – using functions)
07/04/22	Sam's Dog Help Sara build a buddy-look-alike with big eyes that move. Explore pulley mechanisms and movement.	KUBO Has Recess KUBO's Weekend Outing (Create a game for KUBO to play using functions)
08/04/22	Measuring Car Build a car that can measure how far it travels on its own. Explore energy, forces and friction, and non-standard measuring	KUBO takes a trip Your turn to be a robot (Make two functions to complete a route and turn a function into a subroutine)



Week 2 - April 4th to April 8th

Date	STEM	Robotics
28/03/22	Three Little Piggies Design a house that is strong enough to withstand the huffing and puffing of the wolf	The Perfect Swing Build a swing for Maria to ride
29/03/22	Goldilocks and the Three Bears Design a bed that will is the exact size of Goldilocks	Treehouse Camp Build a treehouse so Sofia can see the Moon
30/03/22	Jack and the Beanstalk Design a parachute for Jack to land safely when he jumps off the cloud	Arctic Ride Build a snowmobile to help Leo visit polar bears
31/03/22	Gingerbreadman Design a bridge for the Gingerbreadman to cross the river without getting wet	Twirling Cups Build a teacup ride for Sofia and Leo to try
01/04/22	Three Billy Goats Gruff Design a boat for the three Billy Goats so that they can reach the river bank safely	Snack Stand Build the snack stand so that Daniel can get another snack