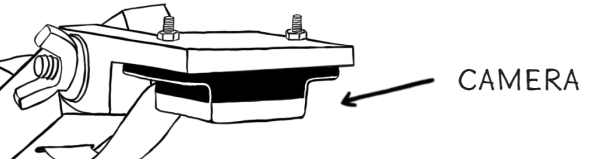


STOP-MOTION ANIMATION IS A TECHNIQUE WHERE OBJECTS ARE PHYSICALLY MANIPULATED AND PHOTOGRAPHED FRAME-BY-FRAME TO CREATE THE ILLUSION OF A MOVING IMAGE.



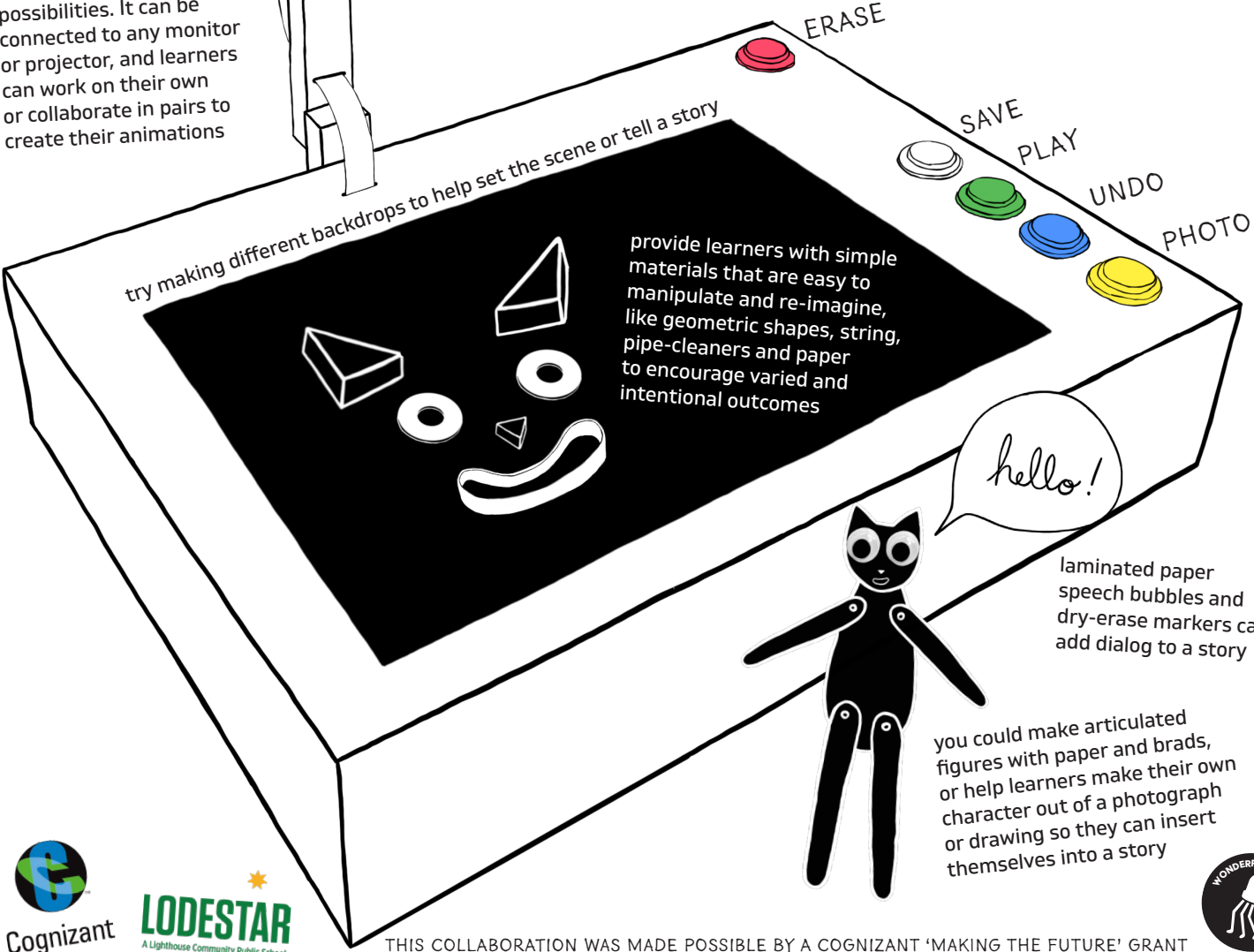
CAMERA

Stop-Motion Animation Rig

CREATE STOP-MOTION ANIMATIONS TO EXPLORE IDEAS THROUGH STORYTELLING AND ENGAGE WITH TOPICS IN AN INTENTIONAL, PERSONALLY MEANINGFUL WAY

THIS TOOL CAN BE USED FOR OPEN-ENDED EXPLORATION OR INCORPORATED INTO CLASSROOM LESSONS TO DEEPEN AND REINFORCE LEARNING. LEARNERS CAN CREATE THEIR OWN CHARACTERS AND INSERT THEMSELVES INTO HISTORY, ART, OR A MICROSCOPIC WORLD, USING STOP-MOTION ANIMATION AND SIMPLE, EVERYDAY MATERIALS TO TELL A STORY OR ILLUSTRATE THEIR UNDERSTANDING OF A SCIENTIFIC CONCEPT IN A PLAYFUL, ENGAGING WAY

this rig uses a Raspberry Pi, a pi-camera and five simple commands to create endless storytelling possibilities. It can be connected to any monitor or projector, and learners can work on their own or collaborate in pairs to create their animations



try making different backdrops to help set the scene or tell a story

provide learners with simple materials that are easy to manipulate and re-imagine, like geometric shapes, string, pipe-cleaners and paper to encourage varied and intentional outcomes

hello!

laminated paper speech bubbles and dry-erase markers can add dialog to a story

you could make articulated figures with paper and brads, or help learners make their own character out of a photograph or drawing so they can insert themselves into a story



THIS COLLABORATION WAS MADE POSSIBLE BY A COGNIZANT 'MAKING THE FUTURE' GRANT

