

Gadgets and Gizmos



Children enjoy investigating, evaluating and problem solving. In this series the child is encouraged to resource their own learning through connecting with people, technologies, gadgets and gizmos. In this series we make an animation, use an apple slinky machine and imagine using a metal detector and tell a story using a small coded robot. The child will be excited by opportunities to imagine, discover, improvise and create.

Episode 1



PRESENTERS

Nicholas Brown and Zindzi Okenyo

PIANIST

Stuart Hunter

TOLD STORY

Lost in Silly Space

(A story told by the Play School team)

FILM

The Mint

(Play School, ABC)

STOP LOOK LISTEN

Perspex Painting

(Play School, ABC)

IDEAS FOR LATER

- Visit the observatory.
- Check out a clear sky at home and identify stars and planets.
- Find all the creative gadgets and make a wonderful work of art. E.g. Hole punchers, staplers, masking tape, stickers, scissors, ruler.

SONGS

Gadgets and Gizmos

Composer: Kylie Montague & Peter Dasent

Publisher: Control / Origin / ABC Music

Publishing

R.O.B.O.T.

Composer: Vanessa Johnston / Karina

Johnston

Publisher: Jingle Jam Pty Ltd

Come On and...

Composer: Louie Suthers

Publisher: Unpublished (APRA / AMCOS

Registered)

Moon Moon

Composer: Traditional (German Folk song)

Publisher: ABC Music Publishing

Rocket Song

Composer: Mark Barnard / Peter Dasent

Publisher: Control / Origin

Drip Drop

Composer: Robyn Mapleson / Peter Mapleson

Publisher: ABC Music Publishing

MAKE AND DO



How to Make a Silly Space Story

What you need:

- Coded robot (Coded to go on lines)
- Large piece of paper
- Milk cartons (Milky way)
- Car sponge (Planet)
- Cut out stars
- Silver plate (moon with plastic cow)
- Red satin fabric over cushion as planet
- Fluffy balls as meteors
- Saucepan

Instructions

Place space elements (Planets, stars, moon, meteors) in horizontal line on large piece of paper. Make up imaginative names for each planet. Draw lines between each planet. Place robot on line, now your ready to make up a space story about your robot discovering planets. Let your imagination run wild!

How to Make a Gadget Shop

What you need:

- Low table or boxes
- Gadgets found around the house

E.g. stapler, hole punch, rulers, measuring tape, scissors.

Tape dispenser

- Small box (Sides and top cut out) refer to pic above
- Chopsticks
- Roll of tape

Instructions

Make holes in sides of box, Insert chopsticks. Place roll of tape on chopstick, pull tape over the other chopstick. Now you can set up a shop and use your favourite toys as customers!

Episode 2



PRESENTERS

Leah Vandenberg and Andrew McFarlane

PIANIST

Stuart Hunter

TOLD STORY

(A story told by the Play School team)

WINDOWS FILM

Car Wash

(Play School, ABC)

STOP LOOK LISTEN

Questacon Pendulum

(Play School, ABC)

IDEAS FOR LATER

- Using your gizmo pendulum painting, add collage to make a new work of art. Could be transformed into a garden, jungle, bush scene.
- Make a statue at home using recycled materials.

SONGS

Gadgets and Gizmos

Composer: Kylie Montague

/ Peter Dasant

Publisher: Control / Origin /

ABC Music Publishing

The Mixing Song

Composer: Arthur Baysting

/ Peter Dasant

Publisher: Origin / ABC

Music Publishing

Round and Round

Composer: Colin

Buchanan

Publisher: Rondor

Hip Hip Hooray

Composer: Sophie Emtage

/ Peter Dasant

Publisher: Control / Origin

Splish Splash Splosh

Composer: Robyn

Mapleson / Peter

Mapleson

Publisher: ABC Music

Publishing

Shaky Shaky

Composer: Jeff Fatt,

Anthony Field, Murray

Cook / Greg Page

Publisher: Wiggly Tunes

MAKE AND DO



How to Make Pancakes

You will need

- Flour 200 gm
- Milk 250 ml
- 1 x egg
- Strawberries
- Ricotta cheese
- Spoon
- Measuring jug
- Rotary beater
- Sifter
- Compost bin
- Pancake maker or
- Pan on stove
- Grown ups

Instructions

Measure ingredients using scales and measuring jug.

Place flour and milk in bowl, add egg.

Mix well with rotary beater.

Place mixture into pancake maker or frypan.

When cooking with frypan, when you see bubbles in top of mixture turn pancake over.

Place ricotta on cooled pancakes, add sliced strawberries



How to Make a Gizmo Pendulum Painting

You will need

- Two plastic water bottles with lids
- (Holes drilled in bottom, covered with masking tape)
- Two colours (acrylic paint)
- Two long lengths of string
- Large piece of paper
- Pegs

Instructions

Fix tubes at opposite sides of paper

Tie bottles of paint on long cardboard tubes (refer to pic above)

(ensure lid is firm on bottle and masking tape is over hole)

Remove plastic lids, gently move bottles around over paper.

Watch your painting gizmo make wonderful patterns.

Episode 3



PRESENTERS

Nicholas Brown & Leah Vandenberg

PIANIST

Stuart Hunter

STORY

Hooray for Hat

Author: Brian Won

Publisher: Houghton Mifflin Harcourt, 2014

WINDOWS FILM

Paint Mix

(Play School, ABC)

STOP LOOK LISTEN FILM

Luna Park

(Play School, ABC)

IDEAS FOR LATER

- Use a fabric sheet to play musical statues.
- Using a digital camera take photos of gadgets and gizmos around the house.
- Try colour mixing at home, adding black or white paint to primary colours. Discuss possibilities of making e.g. dark blue, light blue, dark green, light green.

SONGS

We're Going Up

Composer: Ron Gamack

Publisher: ABC Music Publishing

Washing Machine

Composer: John Shortis

Publisher: Unpublished (APARA / AMCOS Registered)

Gadgets and Gizmos

Composer: Kylie Montague / Peter Dasent

Publisher: Control / Origin / ABC Music Publishing

Allouette

Composer: Traditional

Publisher: ABC Music Publishing

Spotty Song

Composer: Cynthia Raza

Publisher: Unpublished (PRS)

Wiggerly Woo

Composer: Don Spencer / Moira Cochrane

Publisher: Mushroom / Control

MAKE AND DO



How to Make a Hat Shop

You will need:

- Shop set up (low table or boxes)
- Variety of hats
- Tool grabber

Instructions

Set up hat shop with as many different hats as you can find around the house. Shopkeeper has hat grabber, uses to find hat for customer. Explore the fun of having a gadget in a hat shop.

How to Make a Tangle Game

You will need:

- 3 x paint colours (Yellow, green, pink)
- 3 x paint trays
- Medium roller
- 3 x cardboard pieces
- scissors
- Old bedsheets /calico
- Paper plate spinner (with yellow, green, pink sections)

Instructions

Fold cardboard pieces in half, cut out circle shape.

Discard circles, now you have three stencils. Place stencil on fabric, roller paint over each stencil four times. So that there are e.g.

4 x yellow circles

4 x green circles

4 x pink circles.

Make a paper plate spinner. Spin plate, to indicate colour. Using different body parts touch the colour until you fall over!

Episode 4



PRESENTERS

Teo Gebert and Hunter Page-Lochard

PIANIST

Stuart Hunter

TOLD STORY

Whizzmo's Gizmos

(A story told by the Play School team)

WINDOWS FILM

Marble Run

(Play School, ABC)

STOP LOOK LISTEN FILM

Drones

(Play School, ABC)

IDEAS FOR LATER

- Playing with metal detector, discover objects around the house made of metal.
- Make a play ground in the lounge room. You could use a lazy susan as a spinner for your favourite toys

SONGS

Bubbles

Composer: Marion Wilson

Publisher: W.H. Paling & Co Limited

Driving in the Car

Composer: Sophie Emtage / Peter Dasent

Publisher: Control / Origin

Open Shut Them

Composer: Traditional

Publisher: ABC Music Publishing

Jack-in-the-Box

Composer: Satis Coleman / Alice Thorn

Publisher: Campbell Connelly Aust P/L

Gadgets and Gizmos

Composer: Kylie Montague / Peter Dasent

Publisher: Control / Origin / ABC Music Publishing

Wizzmo the Gizmo Guy

Composer: Kylie Montague / Peter Dasent

Publisher: Control / Origin / ABC Music Publishing

The Wheels on The Bus

Composer: Traditional

Publisher: ABC Music Publishing

Round and Round

Composer: Traditional

Publisher: Control

MAKE AND DO



How to Make a Metal Detector

You will need

- Old broom handle or rod
- 2 x paper plates
- Small box
- Small plastic lid
- Masking tape

Instructions

At one end of broom, use masking tape to fix two paper plates. Take small box, add plastic lid button with masking tape. Add small box control at opposite end of broom. Press button to activate metal detector. What metal objects will you discover?



How to Make a Wibbly Wobbly Spring

You will need

- Double strip of thin cardboard
- Stickers
- Tape
- Texta
- Small box
- Plastic lid
- Stickers

Instructions

Take two long strips of paper, tape together, make a right angle. With the corner on the upper right side fold the top strip over to the left. Then, fold the bottom strip over and up. Carry on until one last fold to make. Fold the last part down and tape. Tape bottle cap on the end, add sticker eyes. Tape wibbly wobbly spring in bottom of box. Open box and watch it jump out

Episode 5

PRESENTERS

Michelle Lim Davidson
Hunter Page-Lochard

PIANIST

Stuart Hunter

ANIMATION STORY

I Can Fly
(Play School, ABC)

WINDOWS FILM

Robots
(Play School, ABC)

STOP LOOK LISTEN FILM

Farm Machinery
(Play School, ABC)

IDEAS FOR LATER

- Find an apple orchard or other fruit farms and enjoy picking your own fruit.
- Make a story book. Draw some pictures and make up a story! It could be about two creatures that live in your garden.

SONGS

Gadgets and Gizmos

Composer: Kylie Montague / Peter Dasent
Publisher: Control / Origin / ABC Music Publishing

Little Tree

Composer: Kylie Montague
Publisher: Control

Animal Ride

Composer: Tony Strutton
Publisher: Control

Heel and Toe Polka

Composer: Traditional
Publisher: ABC Music Publishing

I Can Fly

Composer: Lucille Wood
Publisher: Chambers Harrap

I'm So Hungry

Composer: Ann North / Martin Wesley-Smith
Publisher: Unpublished (APRA / AMCOS)

MAKE AND DO



How to Make an Animation

You will need

- Tablet device
- Egg carton stand
- Background board

Woolly bird

- Wool (skein)
- Sticker
- Pegs
- Feathers

Butterfly

- Long cotton reel
- Wool
- Fabric wings

Sun

- Yellow paper sun circle
- Red paper sun circle (smaller)

Instructions

Make woolly bird puppet, take skein of wool, poke in feathers, add peg for beak, add sticker eyes.

Make woolly butterfly: wrap wool around long cotton reel, add fabric wing.

Make paper sun. Add coloured circles together. Ready for making an animation.

One person makes movement of bird, butterfly.

Other person takes photo on tablet device.

Take photo of each movement. Take many photos.

To show animation run finger along photos at bottom of screen. Move your finger faster or slower to control speed of animation.



How to Make Apple Treats

You will need

- 2 X apples
- Honey
- Chopping board
- Peeler
- Bowl
- Muffin tray
- Apple slinky machine
- Strawberries/blueberries/ muesli

Instructions

Slice strawberries.

Mix together strawberries, blueberries and muesli. Using slinky machine peel and cut apples. Or, peel and core apples, then slice horizontally into three pieces.

Place whole peeled apples in muffin tin. Spoon muesli mixture into middle of apples.

Drizzle honey over apple.

Place in oven until brown (Approx 25 mins).

When cool, enjoy with a dollop of yoghurt.