

Science Focus

Robotics Activity:

Eco Police

Story Book that can be read to the children as a provocation:

What A Waste: Rubbish, Recycling, and Protecting our Planet
(available as online book too)

Question Starter

Dearest children,

Among you, there are many little fingers and mighty heart. If you are an eco-engineer, what will you like to do for planet earth? Let's begin our adventure.

List down top 3 things that we can do to Save our Planet Earth, so all humans have a better place to live in.



Eco Police in Action

Design your Junk City

What recycled materials can you find in your home or kindergarten? Collect some everyday recycled items and use them to Design your Junk City!

Remember, the city needs to have houses, buildings, parks, etc. What else will you like to add to your city?

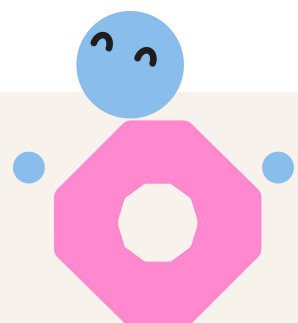
Role Play

You are playing the Eco police. Now, code your 'Robot Truck' to collect the correct rubbish and place them in the correct recycling bin.

Please find those households who haven't recycled properly. What items will you be looking out for to collect and which bin do they go to?

Extension Activity

Today is your first day as a fashion designer. Can you use the recyclable materials you have collected to help you to design a new piece of clothing for the annual fashion week of your city. We are interested to hear your story, and how do you work with your robot to help you to design your clothes using the collected recyclable materials.



EYLF Learning Outcomes

Outcome 1: Children have a strong sense of identity

- Children learn to interact in relation to others with care, empathy, and care.

Outcome 2: Children are connected with and contribute to their world

- Children develop a sense of connectedness to groups and communities and an understanding of their reciprocal rights and responsibilities as active and informed citizens.
- Children become socially responsible and show respect for the environment.

Outcome 4: Children are confident and involved learners

- Children develop a growth mindset and learning dispositions such as curiosity, cooperation, confidence, creativity, commitment, enthusiasm, persistence, imagination and reflexivity.
- Children develop a range of learning and thinking skills and processes such as problem solving, inquiry, experimentation, hypothesising, researching and investigating.
- Children transfer and adapt what they have learned from one context to another
- Children resource their own learning through connecting with people, places, technologies, and natural and processed materials.

Outcome 5: Children are effective communicators

- Children engage with a range of texts and gain meaning from these texts
- Children express ideas and make meaning using a range of media
- Children use digital technologies and media to access information, investigate ideas and represent their thinking

