



The National Theatre for Children

TEACHER GUIDE

BEFORE THE PERFORMANCE

1. Go to WasteWorld.com.au
2. Select 'Educator Resources' in the top menu.
3. Watch the 'Educator Preview' video.
4. Review the student workbook to identify the appropriate level activities for your class.
5. Talk to your students about the 'Words to Know' and plot of the story. Discuss the LEGO® Education WeDo 2.0 kits your school has received and the in-school STEM/Science Expo. Encourage students to form a team and participate!

AFTER THE PERFORMANCE

1. Go to heyteachers.org  and enter the code you received from our actors.
2. Evaluate the program for your chance to **WIN \$250** for your class.
3. Distribute the student workbooks and have your students complete their activities.
4. Go to WasteWorld.com.au and make use of the online games and activities.
5. Use the LEGO® Education WeDo 2.0 kits and complete the projects in your classroom.
6. Help your students prepare their projects for your in-school STEM/Science Expo!



TEACHERS,

Your school has received FREE LEGO® Education WeDo 2.0 robotic kits to be shared across your classrooms. Encourage your students to join together, build their LEGO robotics and participate at your upcoming in-school STEM/Science Expo.

For more information go to:
www.WasteWorld.com.au



Stockland
it's your place

How to Use this Program



Welcome to the **Showdown at Waste World** program, educating your students and their families about recycling and waste minimisation, along with Science, Technology, Engineering and Maths (STEM). Participating in this program is easy and integrates with the Australian Curriculum and your teaching methods.

The Student Workbook, as well as this Teacher Guide, have activities that emphasise the Four Cs of 21st Century Education Skills - Collaboration, Communication, Creativity and Critical Thinking.

Suggested Grade Levels, Learning Areas and General Capabilities for each activity are listed on each page of the Student Workbook, allowing you to tailor the learning to meet the needs and abilities of your students.

Australian Curriculum:

LEARNING AREAS

Science, Technologies, Mathematics, English, The Arts, HASS

GENERAL CAPABILITIES

Literacy, Numeracy, ICT Capability, Critical and Creative Thinking, Personal and Social Capability, Ethical Understanding

Visit www.WasteWorld.com.au and in the top menu click on 'Educator Resources'. In here you will find:

- WeDo 2.0 Preparation including teacher guides
- WeDo 2.0 Curriculum Pack including Australian Curriculum links



You've Seen The Show!

Now evaluate the program and have a chance to win \$250 for your classroom!

1. Log on to: www.HeyTeachers.org
2. Enter the code from the hand-out you received from the actors
3. Fill out the evaluation

EDUCATIONAL CONCEPTS

- What is **WASTE** in our environment
- Why **REDUCING WASTE** is important
- How science and technology help us **REDUCE, REUSE, RECYCLE**
- What **YOU** can do!

WORDS TO KNOW

Design	A plan of how you're going to make something
Engineer	A scientist who designs and builds new things
Environment	Everything living and non-living on earth
E-Waste	Electronic waste like computers, mobile phones and batteries
Landfill	A large hole in the ground where waste is buried
Natural Resource	Things found in nature that can be used by people
Pollution	When things contaminate or dirty our environment
Program	A set of instructions that a computer follows
Recycle	The process of turning waste into new things
Reduce	To make less of something
Reuse	To use something again
Robot	A device used to complete a specific task on its own
Technology	The use of knowledge to invent new devices or tools
Waste	Something we finish using and want to throw away

The National Theatre for Children
1300 652 470 • www.nationaltheatre.com.au

© The National Theatre for Children 2019

What is this program all about?

Showdown at Waste World is a FREE comprehensive program designed to engage and encourage primary school students to have fun while learning about recycling, waste and STEM.

This program includes:

- A live performance of **Showdown at Waste World**
- Print and digital educational materials for your entire school
- WeDo 2.0 Educational sets for your school (to be shared across grades 2-6)
- An in-school STEM/Science Expo for your students to showcase their LEGO® robotics alongside their **Show What You Know** poster



What is the **Showdown at Waste World** live performance?

This is a 30 minute fun and lively educational comedy from The National Theatre for Children. Two professional actors lead your students in grades P-6 through an action-packed adventure, all while teaching about waste, recycling and STEM.

In the outback town of Waste World, Mayor Matilda has a problem – the town’s recycling plant has stopped running! It seems that Robo-Ned Jelly, leader of the Jelly Gang has sabotaged the recycling technology and is determined to waste all the resources in town! Matilda must collaborate with her friends The Great Barry Reef and Gordon Gumnut, to learn about recycling and waste in order to re-program Robo-Ned and save the town.

Every student and teacher will be able to use the **Showdown at Waste World** student workbook and teacher guide, as well as online games and activities to reinforce the learning.

What are LEGO® Education WeDo 2.0 Sets?

Showdown at Waste World provides your school with WeDo 2.0 Educational sets from LEGO® Education. The WeDo 2.0 sets are specifically intended for grades 2-6 classrooms. The sets and curriculum can be rotated through your grade level classrooms at your convenience. There are enough sets so that groups of 3-4 students can have an in-depth, hands-on experience. WeDo 2.0 gives you more than 40 hours of teaching material over 17 projects that capture motivation and engagement across key science topics, including: physical sciences, biological sciences, earth and space sciences, and engineering.

What is the In-School STEM/Science Expo?

Turn over and refer to the back page for the full, exciting details!

Go to www.WasteWorld.com.au for more information.

YOUR SCHOOL'S



The National Theatre for Children



STEM/SCIENCE EXPO

WHAT IS A SCHOOL STEM/SCIENCE EXPO?

LEGO® Education WeDo 2.0 is a fun STEM robotics program for primary school students. Your school has received FREE LEGO Education WeDo 2.0 robotic kits to be shared across your classrooms.

A school STEM/Science Expo is an event where students have an opportunity to showcase for their family and friends a project they have created with the LEGO Education WeDo 2.0.

With your LEGO® Education WeDo 2.0 kits, teams of two to six students will work together on a chosen project. As part of this, the team will build a motorised LEGO® model to show what they have learned. They also create a *Show What You Know* poster about the journey and project they have created.

WHAT WILL YOUR STUDENTS DO AT THE STEM/SCIENCE EXPO?

A school STEM/Science Expo generally lasts one to two hours, depending on how many teams are participating. At the school expo, team members share their experience with the project topic and what they learned by working as members of a team. All the teams will showcase their LEGO® model along with their *Show What You Know* poster. They will share their research with other teams, their family and anyone else attending the Expo. And every team member will receive a participation certificate!



LEGO and the LEGO logo are trademarks and/or copyrights of the LEGO Group.
© 2019 The LEGO Group. All rights reserved.

