

PRINTABLE SPEAKER'S NOTES for SESSION 2A: STORIES OF CHANGE - ELIMINATING WASTE AND POLLUTION

Link to PDF classroom presentation:

http://www.LEGO.com/cdn/cs/sustainability/assets/bltc806daa61af442a2/Session2A_Waste_and_pollution.pdf

Italics = suggested speaking script. Standard text = notes to educator.

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Welcome back, class!

Today we continue our journey into a Future Without Waste, exploring the circular economy and all of the cool things it brings.

It's the first Stories of Change session. These are sessions that introduce real world examples and case studies of how others are helping us move towards a future without waste. It shows us how a move from that straight line you saw last time –take, make, waste – to a circular system is way better for people and planet.

Right, let's get started!

Our Topic



Eliminating waste and pollution Stories of Change

Today's topic is Eliminating Waste and Pollution.

If we can get rid of waste, and make sure everything is put to use again and again, then impact on the planet is reduced AND there will be less pollution!!!

Please note: We have deliberately kept this slide very high level as following slides introduce the topic in more detail, including definitions of some of the key words.

Poll



1 Air Pollution.



2 Sewage.



3 Landfill.



4 Food.

What kind of waste most concerns you?

Before we learn more about this, let's get the class's opinion on a few questions about our topic.

Link to the poll:

[http://www.LEGO.com/sustainability/buildthechange/polls/AFWW_W_1?
CMP=EMC-LCE](http://www.LEGO.com/sustainability/buildthechange/polls/AFWW_W_1?CMP=EMC-LCE)

Run through the question then ask the class to choose one number that represents how they feel; ask them to raise their hands when you call out that number.

Count the hands for each answer.

Once you've been through all the answers, enter the one with the most votes, then click through to reflect on how the group's answer compared to classrooms around the world.

Poll



No, it isn't at all important.



I'm not sure.



Yes, it's super important for people and planet.

Is it important to get rid of waste?

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You should be able to click through to this next poll question at the end of the previous one but if you lose it, the direct link is here:

http://www.LEGO.com/sustainability/buildthechange/polls/AFWW_W_2?CMP=EMC-LCE

Poll



No, it's an impossible task.



I'm not sure.



Yes, it's possible if everyone helps.

Do you think we can get rid of waste?

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You should be able to click through to this next poll question at the end of the previous one but if you lose it, the direct link is here:

http://www.LEGO.com/sustainability/buildthechange/polls/AFWW_W_3?CMP=EMC-LCE

Awesome Words



Eliminate



Zero Waste



Thrive

OK class, here are some of the key words we will need for today's session.

Does anyone know what these words mean?

Eliminate -----

This describes when we get rid of something completely so it is no longer there. For example, "The City was able to eliminate all pollution around the park"

Zero Waste -----

When a product or service is designed to have no waste at the end of it, then we call this zero waste.

Thrive -----

When something thrives, it means it is doing well and is successful. For example "The business is thriving in its new location down town."



OK, now it's time to learn more about eliminating waste...

Play video >>>>

http://www.LEGO.com/cdn/cs/sustainability/assets/bltf52784a77e487e57/2A_Eliminating_waste_and_pollution_EN.mp4

*For more information on DeClique visit **<http://ellenmacarthurfoundation.org/circular-examples/de-clique>***

Food Shift

San Francisco, USA



PLEASE NOTE: This story includes references to communities at the poorer end of the spectrum. Please be sensitive and adjust for children in your class that may come from similar backgrounds

In the city of San Francisco, in the state of California in the USA, Food Shift are doing some awesome work.

The Challenge

San Francisco is a city of two very different halves. Some of the richest people in the world live here but it is also home to many poor people.

In fact, 1 in 4 people are food insecure. This means that they struggle to feed themselves each day.

BUT!!! An incredible 40% of food goes to waste in the city. Why????

The US actually throws away \$80 billion worth of food each year. Yikes!!!

So why are people going hungry?? Something is wrong.

The Solution

Food Shift save extra and imperfect food destined for landfill. They then use most of this in the Food Shift kitchen where people struggling to find work are then trained in how to prepare and cook delicious meals.

The meals are then delivered to poorer communities struggling to feed themselves.

How cool is that!!!

Have you ever heard of similar things near you?

For more information visit <http://foodshift.net/>

Food Shift

The Benefits



Business

The project also creates job roles for people unable to find work.



Community

The project provides food and support to those who need it.



Nature

The project stops food waste ending up in landfill, where it would have released harmful gases which contribute to climate change.



So let's recap on the benefits...

Read from slide

#Wear Next

New York City, USA



On to our next awesome Story of Change.

This time we are in New York City, looking at the #WearNext campaign.

The Challenge

Every year New York City landfills 200 million pounds of clothing (equivalent to over 440 Statues of Liberty). Globally, 73% of the materials used to produce clothing are landfilled or burned at the end of their life, while less than 1% of old clothing goes on to be used to make new clothing.

That is a huge waste!

The Solution

In 2018, the Ellen MacArthur Foundation launched the campaign, aiming to help clothing find a new life, and not end up in landfill.

They worked with stores (including H&M, ASOS, Zara and more) across the city to set

up more than 1,100 drop off points.

They also got these points added to an online map for the campaign to help people find drop-off points more easily.

How cool is that!

For more information visit

<http://ellenmacarthurfoundation.org/articles/wearnext>

#WearNext

The Benefits



Business

Businesses receive old clothes and turn them into new clothes, saving on the cost of new buying materials.



Community

City residents are empowered to help make a positive impact.



Nature

Less clothing ending up in landfill means the materials can be used again, saving huge amounts of water and energy needed for producing brand new materials.



So let's recap on the benefits...

Read from slide

Time to reflect



This slide is an opportunity to reflect and take in all of the information they have just heard.

If you are using the printable Build the Change Course Journal (http://www.LEGO.com/cdn/cs/sustainability/assets/blt752a44b5e2497010/course_journal_AFWW_digital.pdf) ask the children to write down what stood out for them in the case studies, using the box indicated for this session.

If you aren't using the booklet, reflect vocally as a class. Ask the children to share what stood out for them.



Materials needed: In line with the theme of repurposing and keeping things in use for longer, we encourage classes to reuse waste materials lying around in school or at home for these activities.

This activity can also be done with LEGO® bricks.

Key things to help with here are:

Ensuring children understand the flows into and out of a school cafeteria. Before starting the create phase, talk about all the stuff that goes into a kitchen in and what waste might come out?

For example:

IN: Food, water, gas, electricity, packaging
OUT: waste food, packaging, waste liquids

- What can we do with the waste food to help grow more food?
- How can we use the waste water? How can we collect water?
- How can we stop packaging getting in the kitchen in the first place and what can we do with the packaging that does?

If you like, you can use our printable ideas cards to let children write out an explanation of their idea/creation: http://www.LEGO.com/cdn/cs/sustainability/assets/blt05a1a38185a2557e/BtC_Idea_description_card.pdf



Bring this up once the 5 minutes of “time to create” is up.

Time to share



Show this slide while you give children a chance to share what they designed.

Once they're done with sharing, get them to gather for a wrap up quiz starting on the next slide...

Teachers: Don't forget to upload photos and descriptions of your kids' ideas to our public galleries on [LEGO.com](https://www.lego.com), by scanning the QR code on the last slide of this presentation with your phone camera.



It is the end of the session! Yay!! Well done everyone!

We'll be finishing up with a quick quiz on some of the things we learned today.

Quiz question 1

Eliminating waste helps the planet by:

- A** Reducing the resources that we need to take from the planet.
- B** Getting rid of pollution.
- C** Cleaning up the environment.



You can have children shout out answers or fill in the quiz answers individually in the optional **Course Journal >>>**

http://www.LEGO.com/cdn/cs/sustainability/assets/blt752a44b5e2497010/course_journal_AFWW_digital.pdf

Go to the next slide to see the correct answer.

Quiz question 1

Eliminating waste helps the planet by:

A Reducing the resources that we need to take from the planet.



B Getting rid of pollution.



C Cleaning up the environment.



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Go to the next slide to see the next question.

Quiz question 2

In nature, any waste is:

- A** Collected at the bottom of the sea.
- B** Scooped up by spoonbills.
- C** Used as "food" by something else in the cycle.



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Quiz question 2

In nature, any waste is:

- A Collected at the bottom of the sea.
- B Scooped up by spoonbills.
- C Used as "food" by something else in the cycle. ✓



Quiz question 3

At what stage should we aim to get rid of waste?

- A** When we design something.
- B** After it's thrown away.
- C** Once it is in landfill.



Quiz question 3

At what stage should we aim to get rid of waste?

A When we design something. ✓

B After it's thrown away.

C Once it is in landfill.



NOTE:

If we design products to be reused and not go to waste in the first place, then we won't need to worry about it ending up in landfill.

Over to Us

What can we
do to help?

1. Compost organic waste at home
2. Clothes swapping with friends
— Why not start a swap shop?
3. Use reusable cups and drink bottles
4. Walk or cycle as much as you can to bring pollution down (remember, pollution is a form of waste)

Before we go, here are a few tips on how we can all eliminate waste and pollution and contribute to a circular economy.

Do you do any of these already?



That's it for this session! Well done to all.

Next time, we will be looking at keeping products and resources in use for longer can help people and planet. Exciting!

See you there!

HEY EDUCATORS

Upload your kids' awesome ideas!

Don't forget to send photos and descriptions of your class' creations to our A Future Without Waste course gallery on LEGO.com!

Scan the QR code with a phone camera to get started.



Time to create...
...design a school cafeteria
that produces no waste
of any kind



Don't forget to upload your kids' creations to our A Future Without Waste gallery on LEGO.com!

Note: you will need to be signed with your LEGOID username and password to upload.

Just scan the QR code above with a phone camera to get started or use this URL:
<http://www.LEGO.com/sustainability/buildthechange/challenges/AFWW-2A-CHALLENGE/upload?CMP=EMC-LCE>