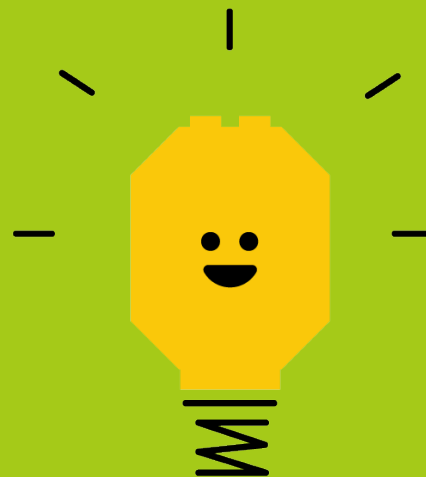
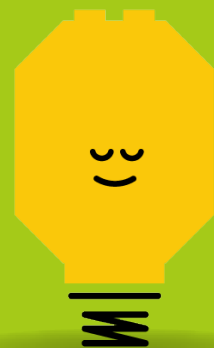




Build THE Change

Building Instructions for a
Better World

Workshop guide





A note to the grown-ups



Hi there,

Leaders from around the world will meet this November at the COP26 conference in Glasgow, UK to discuss and make decisions about how best to protect our planet from the effects of climate change. The LEGO Group wants to make sure that children also have their voices heard at this key event: after all, they are among the people most affected by the decisions being made.

We will be present in Glasgow from 1-12 November 2021, running hands-on Learning through Play activities and events and showcasing children's ideas for a better future. We will also be creating a booklet called *Building Instructions for a Better World* to present to decision makers and other attendees at the conference. It will include simple instructions to world leaders from children around the world about what to do about the impending climate emergency... and that is where you come in!

We are asking educators, camp counsellors, parents, adults and care-givers around the world to send us **three simple sentences** from children 8-12 which answer the question:

"What three instructions would you give world leaders to protect our planet from climate change?"

We will combine the answers from around the world to produce a list of simple instructions to world leaders from children.

This document contains everything you need to run a workshop to help generate these instructions: a [how-to guide](#), [background climate on change and COP26](#) and some [presentation material](#).

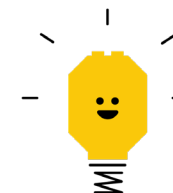
We hope you and your children will enjoy taking part. Please send your children's instructions to us by uploading them to <https://tinyurl.com/LEGOCLIMATEWORKSHOP> or scanning the QR code below. We cannot wait to hear what they come up with!

Thank you,

Kathrine Kirk Muff
Vice President, Social Responsibility
The LEGO Group



<https://tinyurl.com/LEGOCLIMATEWORKSHOP>





Workshop materials

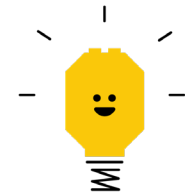


The workshop materials themselves are separate PDFs available at the links below:

- **A presentation to show to kids** to kick off and lead you all through the workshop:
<https://lego.com/go/318>
- **Printable sheets** for capturing kids' instructions + voting during the workshop
<https://lego.com/go/320>

In this “how-to” guide you will find:

- [A running order / lesson plan](#) for the workshop.
- [Facilitation tips and tricks](#) for getting the best ideas from your kids.
- [Background reading](#) on climate change and COP26
- [Links](#) to some additional online resources from around the web.
- An [example script / speaker's notes](#) to accompany the [presentation to kids](#).





How to run a “Building Instructions for a Better World” Workshop





Workshop plan



Building Instructions for a Better World Workshop: Learning Objectives

- Children will learn about the effects of climate change and that their voice in the solution is important.
- Skills gained will include critical thinking, communication, peer sharing and debate.

Section	Activity	Materials	Timing
Opening	<p>Give a brief immersion presentation about:</p> <ul style="list-style-type: none"> - What is climate change - What is COP and how will these instructions be presented there. - What are decision makers/world leaders and how can their choices affect the future in relation to climate change <p>Then present the key question "What three instructions would you give world leaders to protect the planet from climate change?"</p>	<ul style="list-style-type: none"> • Presentation for kids • Speakers notes • Online videos: Intro to Build the Change & What is climate change? • Downloadable versions of videos: Intro & Climate Change 	7 min
Group working	<p>Separate into 4-5-person groups working together to create three instructions to world leaders.</p> <p>Circulate to facilitate the discussion (see FACILITATION TIPS & TRICKS – initial brainstorm)</p>	<ul style="list-style-type: none"> • Pencils/paper • Optional printable worksheets to capture sentences + vote results. 	10 min
Group working	<p>Merge groups into 2 larger groups, so that half of the children are in each group.</p> <p>These groups debate and discuss to combine and select between all the original groups' instructions until each group again has three instructions.</p> <p>Circulate to facilitate the discussion (see FACILITATION TIPS & TRICKS – sorting + narrowing exercise)</p>		10 min
Presentation	<p>Have a spokesperson from each of the two larger groups present their 3 instructions to the entire class.</p> <p>These 6 instructions are now to be combined and selected to produce the final three building instructions of the entire class.</p> <p>(see FACILITATION TIPS & TRICKS – final selection exercise)</p>	<ul style="list-style-type: none"> • Pencils/paper 	10 min
Sum up & next steps	<p>Congratulate everyone in the class for their involvement and formally announce the final three instruction ideas.</p>		2 min
Submission	<p>Submit the 3 sentences using the form at https://tinyurl.com/LEGOCIMATEWORKSHOP. We'd suggest making a big moment of this, by doing it in front of the class.</p>	<ul style="list-style-type: none"> • Online submission form https://tinyurl.com/LEGOCIMATEWORKSHOP 	2 min
Outro	<p>Celebrate their efforts and ask them how the decision makers might feel hearing their ideas. End with reminding them their ideas really matter and more decision makers need to hear them.</p>		1 min



Facilitation tips and tricks

General

- You are educators so we are super aware that you probably know this already, but in the spirit of sharing, here are a few workshop facilitation techniques we use in the LEGO Group:
 - Keep questions open-ended whenever possible.
 - Encourage reflection.
 - Ensure that the tone is kept light and fun (it's easy to go gloomy when talking about climate change.)
 - If the question feels too big and general for them, try to bring it back to something they can relate to, something local perhaps.
- We need your help in conveying the energy behind some of the statements that aim to empower and motivate children. Imagine it's the most important thing you've ever said to them. Then times it by a million.
- In the immersion material, we've tried to give enough information about climate change without leading too much on what issues kids would like to see tackled and how – we hope our [background info](#) will provide you with some answers to kids' questions as they hone in on the areas they are interested in.

Initial brainstorm

- Try to get kids to visualize what giving instructions to a world leader might be like, e.g. *Imagine you were to walk into a room filled with world leaders and grabbed the microphone. What would you say?*
- Groups of 5 or less will probably work the best in terms of making sure everyone takes part at this early stage.
- Perhaps introduce something that represents a microphone in each group -- whoever is holding it gets to speak.
- Imposing some structure on things can also help make sure everyone participates – e.g. get the children to take turns making up an idea each and then vote on which to bring through to the next round.
- Methods we have used in LEGO workshops have included using small dot stickers to vote or even marking on paper. We have provided a voting template that might help.

Narrowing + Sorting exercise

- Grouping and combining ideas can be tricky, especially for younger kids! Explain to them that all of their ideas are included in whatever the class comes up with. It might not sound exactly like what they or their group came up with, but it's in there! Each and every one of them has an important role to play.
- It might help to designate one student "the communicator" at each step/in each group. They act as the spokesperson for that group – the one that communicates the three instructions back to the educator.





Background on Climate Change



Climate change is "a long-term change in the average weather patterns that have come to define Earth's local, regional and global climates" (from NASA, <https://climate.nasa.gov/resources/global-warming-vs-climate-change/>).

Climate change includes both human-driven **global warming** and natural warming, and the results of that warming as explained below.

Global warming is the process of our planet heating up due to human impact.

- This is due to excessive build up of **greenhouse gases** in our atmosphere like water vapor (H₂O), carbon dioxide (CO₂), methane (CH₄), nitrous oxide (N₂O), and ozone (O₃).

Scientists are concerned that some human activity – like burning fossil fuels – contributes to an excessive build-up of greenhouse gases.

- At normal levels, these gases all contribute to the **greenhouse effect**, trapping the Sun's heat inside Earth's atmosphere to keep us safe from the sub-zero climate of outer space. But with the rising levels of these gases, the Earth's atmosphere is heating up as too much as too much heat is trapped.

Effects of climate change include...

Extreme weather and temperatures.

- Longer, more intense heat waves.
- Hotter and colder extremes more common as the atmosphere shifts out of balance.
- Natural disasters like crop failures, droughts, and wildfires more common around the world.

Threats to natural and human habitats as ecosystems are knocked out of balance.

- Organisms like reptiles, amphibians, plants and bees who depend on specific temperatures to survive are under threat.
- Animals like Great White sharks migrate to new areas as water temperatures change.
- Plant habitats unbalanced, including making areas too hot to sustain traditional food crops.

Melting glaciers + polar ice caps.

- Sea levels rise.
- Arctic and Antarctic habitats disappearing, threatening native species like polar bears.
- Human + animal habitats under threat as rising sea reclaims the land.



Background on COP26



It's called COP26 because it's the 26th time that the "[Conference of the Parties](#) (COP)," the decision-making body of the [UN Framework Convention on Climate Change](#) (UNFCCC) has met since their first conference in Berlin, Germany, in 1995. UN Conventions like UNFCCC are treaties which countries ("parties") enter into to tackle global issues where cooperation above the level of national laws is needed.

COP26 is the United Nations Climate Change Conference, which is happening in Glasgow Scotland, UK, from October 31st to November 12th, 2021.
(<https://ukcop26.org/>)

It will bring together heads of state, climate experts and campaigners to agree coordinated action to tackle climate change, with the United Kingdom as hosts.

The aim of the COP26 summit is to bring parties together to accelerate action towards the goals of the Paris Agreement and the UNFCCC.

Attendees will work together to present and evaluate each country's specific plans and proposals for...

- Limiting the total global temperature rise in the future to 1.5°C compared to pre-industrial levels.
- Reaching 2030 emissions targets which aim to reach [net zero](#) carbon dioxide emissions by 2050.
- Adapting to protect human communities and natural habitats affected by climate change.
- Fulfilling on the promise of developed countries to provide at least \$100bn per year by 2020 to fight climate change.
- Finalising the Paris Playbook (the detailed rules that make the Paris Agreement fully operational)
- Accelerating action to tackle the climate crisis through collaboration between governments, businesses and civil society.

The UNFCCC was established in Rio De Janeiro in 1992, with 154 countries originally signing the treaty. It agreed to establish specific responsibilities for countries to pass laws and take action to mitigate the effects of climate change, including targets around emissions of greenhouse gases. These responsibilities were further spelled out in the 1997 [Kyoto Protocol](#) and the 2015 [Paris Agreement](#) which came into force to replace Kyoto in 2020.

Who's taking part?

The Conference of Parties is made up of representatives from [all the current governments](#) or "parties" who have signed up to the Paris Agreement, as well as campaigners and climate experts, scientists, etc.



Additional Learning Resources

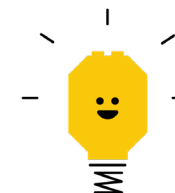


Adult-oriented

- Official COP26 site: <http://ukcop26.org/>
- Official explainer on the conference and its aims: http://2nsbq1gn1rl23zol93eyrccj-wpengine.netdna-ssl.com/wp-content/uploads/2021/06/COP26-Explained_.pdf
- United Nations Climate Action: <http://www.un.org/en/climatechange>
- Intergovernmental Panel on Climate Change: <http://www.ipcc.ch/>
- NASA climate resources: <http://climate.nasa.gov/>
- New Scientist's articles on climate change: <http://www.newscientist.com/article-topic/climate-change/>
- More about the LEGO Group's sustainability mission: <http://www.lego.com/en-gb/aboutus/sustainability/environment/>
- WWF info on climate change: <https://www.wwf.org.uk/climate-change-and-global-warming>

Child-oriented

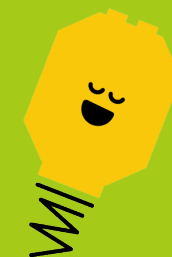
- NASA's "Climate kids" site: <http://climatekids.nasa.gov/>
- National Geographic Kids on climate change: <http://www.natgeokids.com/uk/discover/geography/general-geography/what-is-climate-change/>





Speaker notes

An example script to accompany the [presentation to kids](#) for the “Building Instructions for a Better World” Workshop





Slide 1



PLEASE NOTE: The educator's guide for this workshop, including a speaker's guide is at <https://lego.com/go/317>.

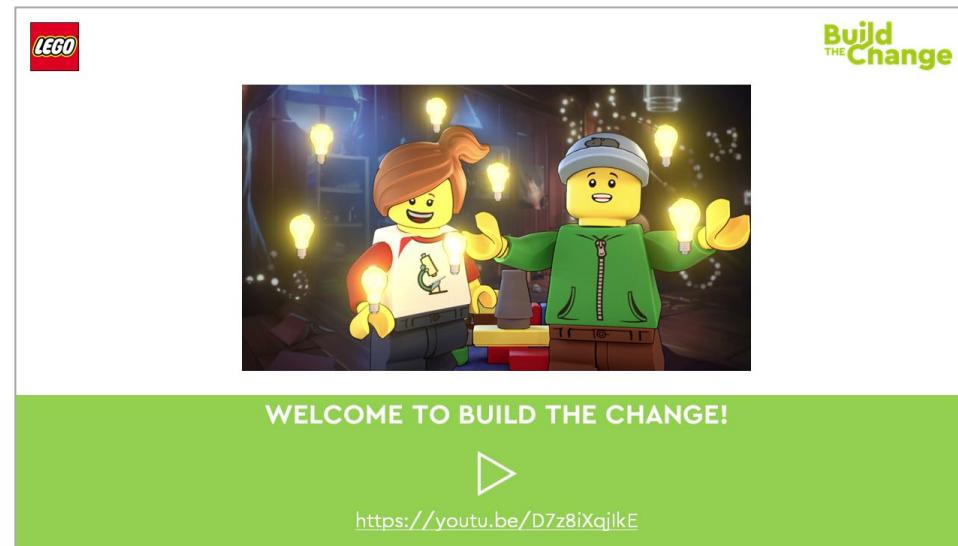
Welcome to the Building Instructions for a Better World workshop!

The LEGO Group will be at a very special environmental event in November this year and they want to use the event to get children's thoughts, dreams and ideas in front of important people.

Let's put our heads together and come up with some cool ideas for them!

Are you ready?

Slide 2



Before we get going, let's hear from our hosts, Leo and Linda, on what Build the Change is and why our class is getting involved.

Play the video, "Welcome to build the Change," at <https://youtu.be/D7z8iXqjlkE>.

If using YouTube online doesn't work for your learning setting, you can also download the video ahead of time from <https://lego.com/go/321>.



Slide 3



So let's start at the top.

This conference they're going to...the main topic is saving planet earth from something called climate change. Wow!

Now, we all know planet earth is pretty special.

It provides a home to more than 8 million different species across a wide variety of different habitats, from deserts to rainforests, rivers to oceans.

But a lot of living things are facing tough times because of something called climate change.

Slide 4



The planet is made up of systems such as weather, erosion, ocean currents, all delicately balanced and working together.

Just like Leo and Linda here. Working together to stay balanced.

But once Linda starts to lose her balance, Leo is going to start losing his balance too and the stability they had.

When one or more of the Earth's cycles start to change, the balance is lost. Humans and our actions have sadly been throwing these cycles out of balance.

Educator ask children to give them examples on how humans are impacting the environment.

Examples that might come up include:

- Driving cars
- Burning fossil fuels
- Deforestation / cutting down trees
- Less green space / building on green spaces
- Hunting and loss of species
- Acid rain
- Plastic / waste (although not a direct impact on "cycles")
- Factories and industry
- Forest fires

That's why we, as humans, need to urgently understand why it's happening and understand how we can play a role in rebalancing the earth's "scales."



Slide 5



Climate change is a really important example of the earth's cycles losing their balance.

Climate change has made systems like the weather, ocean currents and global temperatures change.

Play the short video on climate change and global warming, "What is Climate Change," available here: <https://youtu.be/U8DAXnC4Yyk>

If YouTube doesn't work for your setting, you can also download the video ahead of time from <https://lego.com/go/320>.

Imagine standing in a circle playing catch with your friends. Suddenly, the "system" of "gravity" changes, and the ball starts floating into the sky. Right now, planet earth is that ball and we all need to work together to find ways to bring it back.

Slide 6



But who can help?

Well, at the conference the LEGO Group are going to there are a lot of world leaders.

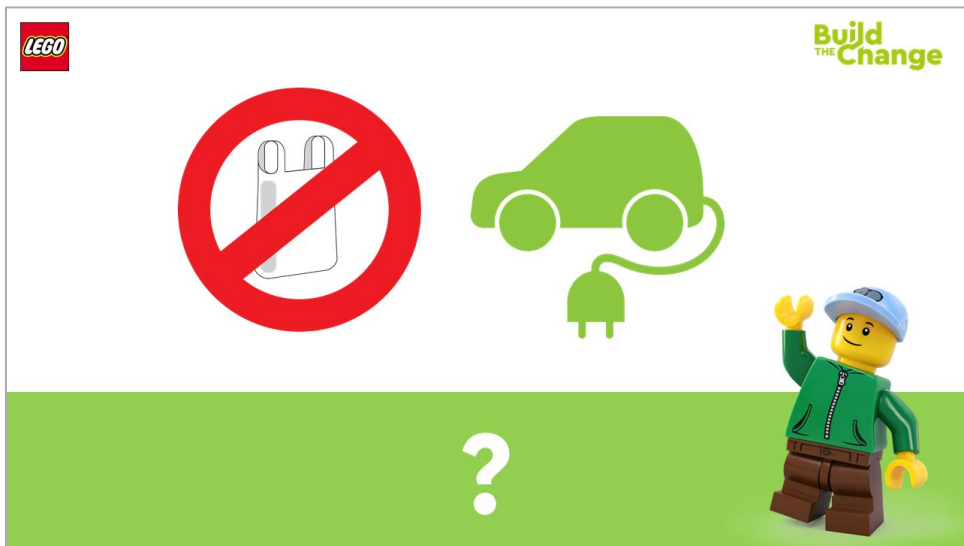
World leaders: presidents, prime ministers, kings and queens – this group hold power to make big changes.

Imagine if tomorrow, your country's leader told everyone cars are no longer allowed. It won't happen of course (yet), but imagine the positive impact on the environment!

We call these types of people decision makers.



Slide 7



We are all making decisions every day, what socks to wear, what time to wake up, so are we decision makers? Well, yes and no.

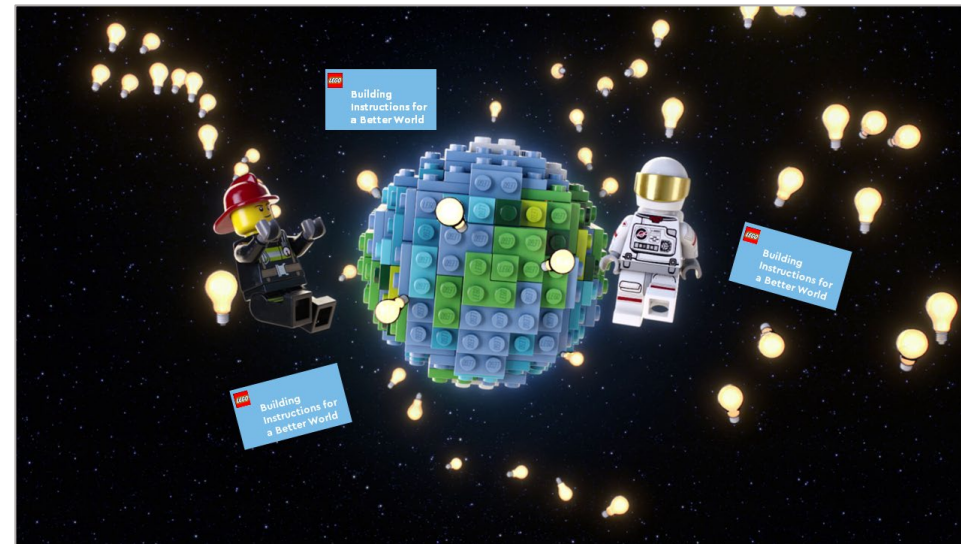
Yes, you can make decisions that positively impact the planet every day – use a reusable cup, cycle instead of drive, wear socks made of recycled materials.

But Decision Makers...they make decisions that impact many, many people. Imagine, you decided to wear blue socks today. That's impacted one person, providing they're clean and not smelly (lol).

Now imagine if a president or prime minister decided that all people in their country should wear blue socks...well, that's impacted a lot of people.

Here are two examples of recent BIG decisions that decision makers made to help the planet...can anyone guess what they are?

Slide 8



So they're the decision makers, BUT we are the ones who can help them make decisions.

How do we do that? By speaking out, sharing our ideas, letting them know what we are concerned about.

World leaders are making decisions all the time that impact your futures.

Wouldn't it be cool if your voices were heard and included more when they're making these decisions?

As a step towards this, we are making a Build a Better Planet instruction manual that will show simple steps from children to adults, especially world leaders, for how to protect our planet.

How awesome is that?



Slide 9



Well, this year, leaders and scientists from around the world are getting together to make decisions on climate change

The conference is called COP26 and it's a big one!

And the LEGO Group want children's voices at the table. And that's why we are here today!

Slide 10



"What three instructions would you give world leaders to protect the planet from climate change?"

THE BIG QUESTION

OK, drum roll please, here it is.

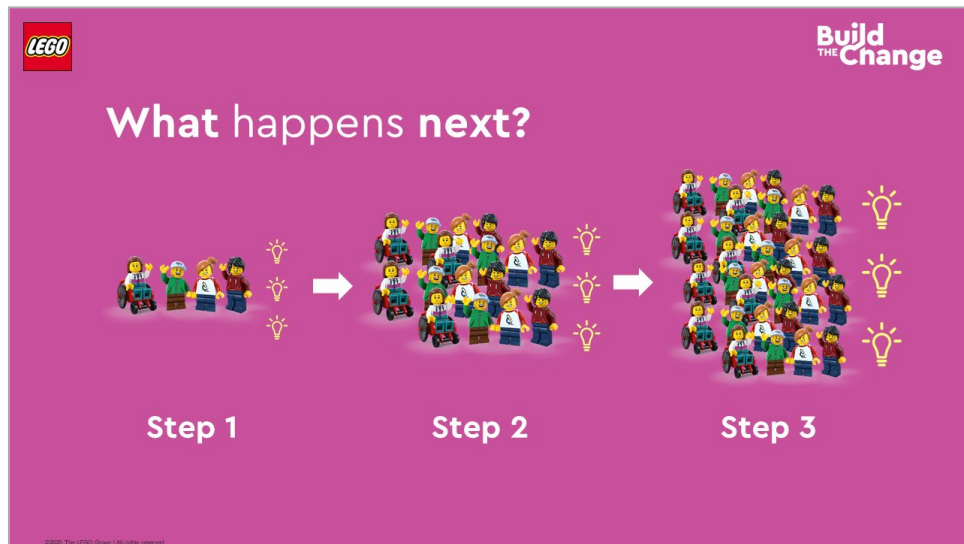
We need you to think of three instructions that you would give to world leaders to protect the planet from climate change.

How are we going to do that as a group?

Well...



Slide 11



Before we get started, here's what's going to happen, the IDEA FLOW.

You will all get into groups of 4-5 and talk and spend 10 minutes to come up with 3 instructions you would like the world leaders to hear.

Then the class will get into two larger groups, share the ideas each smaller group had and then choose the three instructions your group would like to present.

The final six instructions from both groups will then be combined to three that will then be shared with the LEGO Group who will bring them into the building instructions design Ready? Let's do this!

Slide 12



Put this slide on screen during first ideation activity.

OK, get into your groups of 4-5 and start discussing which 3 instructions you would like to put in front of decision makers to make this planet better.

Think about the environmental problems facing this planet. What is causing them?

What do we need to start doing more of?

What do we need to start doing less of?

How can our world leaders do things differently?

What are the most important things to change?

OK, time's up...

Make sure you have your three instructions written down on your piece of paper.



Slide 13



Place on screen during second ideation activity

Now, you will now all stay in your groups but combine with others.

Once you're in your bigger groups, each group from Step 1 should read aloud their three instructions. Everyone else needs to listen and spot if any sound similar?

Are you all saying similar things?

What are the common themes?

Can you combine any similar ones?

Work together to write three instructions that combine the larger group.

Slide 14



Place on screen during third ideation activity

OK, now's the time.

Everyone sit back at your desk.

Group 1 (half the class) please tell me your three final instructions. (write them down on white board.)

Group 2 (other half of the class) please tell me your final three instructions (write those on the board.)

OK, now, you all have three votes. Each vote is a coloured sticker. When it's your turn, please put a sticker on the three instructions that you would like to send to the LEGO Group.



Slide 15



We have our final three instructions.

Well done class!

Now, it's time to share these with the LEGO team.

At this point, the educator can open up the link or use the QR Code with a smart device to access the Microsoft Form and enter the three instructions from the class:

- Link to MS Form to upload your 3 sentences:
<https://tinyurl.com/LEGOCLIMATEWORKSHOP>
- QR Code (which you can use to open the link on your phone, etc) – on slide

It would be great if the class can actually see their instructions being sent off. Try making a big moment of it!

Slide 16



And there we have it.

You have all worked together to come up with three awesome instructions!

The LEGO Group are so, so excited to hear them and to include them in what we design for the Climate Change Conference!

Then we will share them with world leaders at the conference and make sure your voices are heard!

Well done team! Planet Earth and Leo and Linda salute you!