Climate Action Project
Week 3

Topic: Climate Action: Local to Global

Questions for the week:
- How can I build on prior learning to connect to new ideas?
- What are the effects of climate change on our planet?
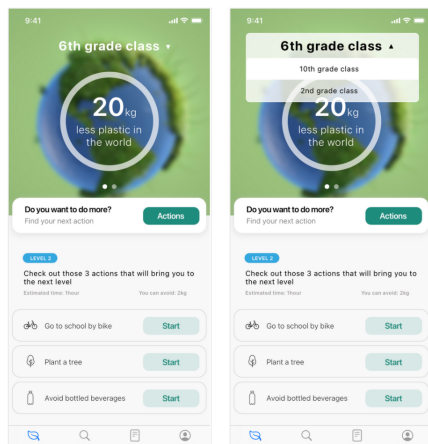- How can data be used to predict the future impact of climate change?

Collective action: Connect in a class-to-class virtual exchange

----

Teacher note: All activities and resources should be reviewed for content and developmental appropriateness for age levels. Some activities/resources will need to be modified for younger children.

CLIMATE ACTION PROJECT RESOURCES

EarthProject App

The EarthProject app is available for students (ages +13), teachers, and parents. Teachers are able to create classes and record their students' efforts, too. Please be sure to update to the latest version.

The EarthProject app is now available for free for iOS and Android http://earthproject.org.

Climate Action Booklist for Classrooms

Announcing the *Climate Action Booklist for Classrooms*. The booklist offers 150+ as curated by our global team of educators.

Special thanks to our program partner Wakelet for supporting this resource. Download here: https://bit.ly/tagbooklist

Climate Action Day

Save-the-date for Climate Action Day on November3, 2022! Free, online event for all welcoming top climate experts, global leaders, and innovative classrooms.

Registration is open now: http://bit.ly/climateactionday2022

Speaker announcement: We are excited to announce two new speakers to the program. Check out the full program at: https://www.climate-action.info/day/ .

President Tarja Halonen
Former President Finland

Juan Pablo Celis Garcia
UN Environment Programme

Pause and notice

Goal 1: Connect prior learning to new ideas.

1. Reflect on causes and effects of climate change.

Before proceeding to Climate Action: Local to Global, revisit and review (1) your definition of climate change, (2) established causes and effects of climate change, and (3) personal connections to climate change. Use your **Class Climate Action Box/Digital Board** for reference.

2. Draw lines of global connections.

Invite students to watch videos submitted by other classrooms and students to help develop understanding of climate change across the world. Return to **The Ultimate List of Causes of Climate Change**. Examine any new causes that have been added by other classes.

Explore possibilities

Goal 2: Explore the effects of climate change on our planet at global levels.

1. Learn from students as trusted experts.

Knowing that students from other classes have gone through the same process to determine their **4 Major Effects of Climate Change**, trust can be established creating a community of trusted experts. Return to the **Global Map of Climate Change Effects** to view ideas shared by other classrooms.

Invite students to generally examine new effects from areas around the world.

Select 1-2 locations and look at causes (viewing the **The Ultimate List of Causes of Climate Change)** and then the effects (**Global Map of Climate Change Effects)** in the same area.

2. Use online research tools to get to know the area you selected.

Have students consider experiences, needs, and challenges of local residents. How do those experiences, needs, and challenges relate to your own?

 Add identified global effects Class Climate Action Box (Side 3) or Digital Board (Section 3). Add a map and physically draw lines of connection from where you are to other locations where you are connecting to ideas/people.

Design with optimism

Goal 3: Use data to predict the future impact of climate change.

1. Define the problem to be explored. If the Earth's average temperature were to rise by 1.5 or 2 degrees Celsius, would that have a large impact on the animals, plants, weather patterns, and human activity?

Allow students time to research what the possible effects of climate change might be in the future. Depending on your timeframe and the age/experience of your students this can be done individually, in groups, or as a class.

It is important for students to understand that they must look at data objectively. Some sources of data and information on possible future effects of climate change:

- [IPCC - Global Warming of 1.5 degree C](#)
- [Long Term Effects of Climate Change](#)
- [NASA: Why Global Temperatures Matter](#)

2. What's at stake if we don't act? Review this [WWF resource](#) and information on the Paris Agreement [here](#) and [here](#).

Consider the effects on plants, animals, weather patterns, and human activity you identified in Week 2. Begin to consider specific actions that could help prevent further problems and effects in those four areas.

Collective action

Let's connect ideas, information, and opportunities! Now is time to engage in your class-to-class virtual exchange.

In person learning: Have discussions with your students about proper videoconferencing etiquette. Use tools like Zoom, Whereby, or Teams for class-to-class calls.

Distance learning: Use tools like Zoom or Teams for videocalls or try out Flipgrid or Padlet if your students are unable to access synchronous calls.

1. Visit the Climate Action Project website and identify a class interested in virtual exchange. This will be noted by #VX on their profile: https://www.climate-action.info/date.
2. Message to the teacher and coordinate days, times, and videoconferencing platforms.
3. Prepare students for the virtual exchange call. Discuss proper etiquette, roles, and topics for discussion.
4. Following the virtual exchange call, be sure to send a followup message thanking the call for their time and for sharing their perspectives on climate change.

Climate Action Project Week 3 Actions Video

Add your Week 3 Actions video to www.climate-action.info/user.

Extensions

Extension activities for the classroom:

- Allow students to research the differences in future effects of climate change if the average temperature were to rise 2°C C and 3°C.

Share out via social media:
- Be sure to share on Twitter, Facebook, and Instagram using the hashtag #ClimateActionEdu tagging in @ClimateActionED and @TakeActionEdu.

Looking ahead

Prepare for Week 4, Topic: Climate Change Solutions. Students will create a list of solutions individuals and organizations/governments can take and then they will begin work on building a plan for their own "out-of-the-box" Climate Action Projects.

Still time to join in one of our groups:

Sharing best practices and concerns. Learning from other educators across the world. Do you want to be guided by our facilitators, in your native language? Please join one of these groups. We have 5 English groups and 9 world language groups. We are excited to give you the choice to make your own selection. All groups are facilitated in WhatsApp. Select one from this list to join:

English 1	https://chat.whatsapp.com/L81HtErPhVvKVM7wxh7STi
English 2	https://chat.whatsapp.com/K4NYaLB3QPjHV6WyJlwIHh
English 3	https://chat.whatsapp.com/FbSpap1Npxh8l6xQgbwiSK
English 4	https://chat.whatsapp.com/DCxi11JsQvBLF9ndRlOwnY
English 5	https://chat.whatsapp.com/GbKK0DAfNASC5P4Q2VlT2f
Arabic	https://chat.whatsapp.com/FhcC19Sy86Z8COkzooCSOr
Hindi	https://chat.whatsapp.com/HuNxzv7nEPiL6Eau0uTkoq
Turkish	https://chat.whatsapp.com/IQXhnOeWXxh9LlvGZGvvtm
Spanish	https://chat.whatsapp.com/J0CQPtajD4E4IexNRjMKox
Portuguese	https://chat.whatsapp.com/BODV47F0jCj9O4Q1nsqinp
Ukrainian	https://chat.whatsapp.com/CeoHi83X9HX38gurr5oOaS
French	https://chat.whatsapp.com/IBQSAtLkE558Dd0oNePRxr
Romanian	https://chat.whatsapp.com/DeCXHHjpv1y81h0BQ73qx7
Italian	https://chat.whatsapp.com/DS45VtqNQvs14Dj3Fu6wqH