Note: This is a lesson plan I created for the nonprofit Earth Team during the COVID-19 lockdown. Earth Team is an environmental education program which empowers high school students to be environmental stewards and teaches hands-on curriculum. COVID-19 forced Earth Team to transition to an online program and removed many of the planned outdoor and community activities. I created this role play game to increase student engagement during remote learning while teaching students about climate modeling and how climate policies are created. I have since adapted this lesson for in-person teaching where students have physical cards they can use to keep track of their negotiations.

Earth Team Lesson Plan
(4.18.20)

Topic: Climate models & policy

Time: 1:00-3:00pm

Attendance: 18 students (via Zoom)

Outcomes: *Interns learn about how climate policy is developed in the Conference of the Parties (COP) using climate modeling and practice their public speaking skills while participating in a climate negotiation game.*

Welcome & Introduction to COP and the game (1:00-1:20pm)

1. Introduce climate models and why/how they are used using C-ROADS online
2. Introduce how global climate policy is developed
3. Explain COP and agenda: Presentation Slides
4. Explain game rules (make sure all students can access): Overview of game rules

Meet your Team (1:20-1:35pm)

Break students into breakout rooms and instruct them to introduce themselves and review their team's document (their goals for the game)

- Developed Countries: https://docs.google.com/document/d/1e9EMWtSgdIqKyc8Ef-cn9qu_6_8bnMdt0VFilqcUb7w/edit?usp=sharing
- Developing A Countries: https://docs.google.com/document/d/1w5GajYZSnmie-spoaC47H9v0N7LvTpdc8KiHh-cZlRk/edit?usp=sharing
- Developing B Countries: https://docs.google.com/document/d/1F_nN3qqLmiw85Ozln9qSfOVZmATVYx326zHqvdJ4rpI/edit?usp=sharing
- Fossil Fuel Lobbyists: https://docs.google.com/document/d/1peYtQ9pY5ULgMwsNkZC74UsbnkWlnUxdBpi7dcctRj8/edit?usp=sharing
- Climate Activists: https://docs.google.com/document/d/1uA3U8kRokHOkU8v2ksiwdPZrD7KPqDKh_mFZAvbK0Ho/edit?usp=sharing

Opening Statements and C-ROADS #1 (1:35-1:45pm)
Close breakout rooms. Each team nominates one person to make their opening statement. Run the climate model based on opening statements.

Negotiations Round 1 (1:45-2:00pm)
Open breakout rooms (one student per team in each room). Students negotiate using their team's document as a guide. Teams keep track of their negotiations on the live Google Doc.

Status Report and C-ROADS #2 (2:00-2:10pm)
Close breakout rooms. One person from each team presents their updated climate agreement. Rerun the climate model based on these updates.

Negotiations Round 2 (2:10-2:25pm)
Open breakout rooms (one student per team in each room). Students negotiate using their team's document as a guide. Teams keep track of their negotiations on the live Google Doc.

Status Report and C-ROADS #3 (2:25-2:35pm)
Close breakout rooms. One person from each team presents their updated climate agreement. Rerun the climate model based on these updates.

Final Negotiations (2:35-2:45pm)
Open breakout rooms (one student per team in each room). Students negotiate using their team's document as a guide. Teams keep track of their negotiations on the live Google Doc.

C-ROADS #4 (2:45-2:50pm)
Close breakout rooms. One person from each team presents their updated climate agreement. Rerun the climate model based on these updates. Was COP successful this year? Did we reach our climate goals?

Read Agreement and Signatures (2:50-3:00pm)
Read climate agreement with updated climate targets. Enable Zoom Annotate and invite students to sign the document.

Close (3:00pm)
- Reflection: What is one thing you learned? What is one thing you enjoyed? What is one thing you did not enjoy?

There are internships for when they are in their final year of undergrad:
https://unfccc.int/about-us/internships