



# 2024

## Center of Transformation (CoT) Program Curriculum

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Developed By

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## Purpose

The purpose of this document is to outline the CoT 10-week program curriculum and introduce the final project competition and CoT Summit. This curriculum will focus raising youth awareness of how transportation and energy impact global climate change. In collaboration with BGCGW staff, partners, and subject matter experts, the program will feature interactive activities and impactful resource to educate, engage, and empower youth.

## Center of Transformation Introduction

Boys & Girls Clubs of Greater Washington (BGCGW) invites your organization to participate in its new Center of Transformation (CoT) initiative. CoT is a first-of-its-kind incubator for change, innovation, engagement, and advocacy on the emerging global issue of global climate change that affects us all, especially our youth. Currently in its second year, CoT will provide your youth with an opportunity to learn, exchange ideas, network, and critically think. This initiative promotes social impact, with an emphasis on elevating the voices of black and brown youth from predominantly historically marginalized communities to champion the protection of our planet.

## Mission

Our mission is to raise Club youth's awareness of global issues and empower them to use advocacy to create a more just, responsible, equitable, and sustainable planet.

## Vision

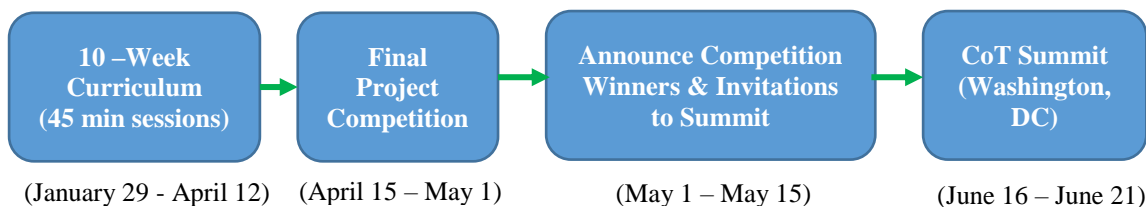
Our vision is to create a local and national program that provides world-class opportunities and experiences for youth to become global change agents and solution-focused leaders.

## COT Program Curriculum Overview

In January 2024, the 10-week CoT program curriculum will launch featuring interactive activities, and special events focused on Transportation & Energy, addressing two principle sectors that impact global climate change.

- The CoT Program will serve teen members, ages 14-18, both in-person and virtually, through BGCGW's online platform, *Clubhouse @ Your House*.
- In January 2024, CoT will launch its 10-week program curriculum featuring interactive activities, and special events focused on Transportation & Energy, addressing two principle sectors that impact global climate change.
- CoT is underpinned by four foundational pillars: STEM, Workforce Readiness, Diversity, Equity, and Inclusion, and Advocacy. These pillars serve as the backbone of our initiative, ensuring that youth gain critical skills, foster inclusivity, become effective advocates, and prepare for future career opportunities.
- At the conclusion of the 10-week program, members will have an opportunity to participate in a CoT final project competition to showcase their increased awareness and knowledge.

- Final project competition winners will be announced and invited to the CoT Summit in Washington, DC for a week of learning, advocacy, collaboration, networking, and world-class experiences unique to our nation’s capital (including a career fair).



### Curriculum Objectives

- Club youth will learn the what, why, and how of global climate change and the skills they need to enter the workforce in high-growth and high-demand occupations.
- Club youth will be trained to be advocates and leaders; empowered to advocate for important community, state, and global issues; and supported to step up and make a difference.
- Club youth will play an active role in addressing the global climate change issue and be a part of creating solutions.
- At the conclusion of the experience, Club youth will have new knowledge and new skills, and will be motivated to get involved in community, state, and global advocacy projects.

### Member Engagement

Member engagement and empowerment are essential to achieve meaningful impact, positive member experience, and CoT programming success. Members may be incentivized to participate in the program at key milestone points for sustainable engagement, leadership and proactivity, and quality efforts.

The CoT program model centers on members gaining 21<sup>st</sup> century skills. Youth will develop life-long skills including (but not limited to):

Leadership	Decision-making
Research	Solution development
Critical thinking	Brand awareness
Communications (verbal/written)	Political savviness
Advocacy	Conflict resolution
Networking	Compromise

### Participating Organization and Club Commitment and Responsibilities

Participating organizations and clubs will partner with BGCGW to implement successful CoT programming for teen members with clear commitments and responsibilities.

## BGCGW Commitment and Responsibilities

BGCGW will:

- Develop and deliver an annual CoT program curriculum, learning content, facilitator handbook, youth handbook, and weekly resource toolkits throughout the CoT program cycle.
- Provide virtual staff professional training/development for each participating club or organization on the CoT program prior to launching the program.
- Host weekly check-in meetings with the designated participating Club/Organization Coordinators to provide ongoing program communication, engagement, support and alignment.
- Provide materials and supplies (valued at ~\$150 per teen) to execute the CoT full curriculum. BGCGW will program costs by providing material kits and supply boxes (max 20 teens).
- Provide instructions and guidance to assist Club/Organization staff facilitate the weekly CoT sessions and the final project competition.
- Arrange special events and special guests or subject matter experts to enrich members' learning experiences.
- Review final projects and select winners who will receive invitations to the Summit.
- Host CoT Summit:
  - Provide an all-expense paid experience to Washington, DC (transportation, lodging, and meals) for invited club/organization members.
  - Provide a safe and secure environment for all participating Club/Organization members.
  - Recognize participating clubs and members during the summit.
- Incentive members and participating Clubs/Organizations ongoing engagement.

## Participating Club/Organization Commitment and Responsibilities

Participating Clubs/Organizations will:

- Commit to CoT by reviewing and signing a Memorandum of Understanding.
- Execute an annual CoT program curriculum using BGCGW's learning content, facilitator handbook, youth handbook, and weekly resource toolkits throughout the CoT program cycle.
- Appoint a Club/Organization Coordinator to oversee and plan local CoT programming, from program launch to CoT Summit.
- Attend staff virtual professional training/development, hosted by BGCGW, on the CoT program prior to launching the program (staff will not need to be experts on the weekly content, BGCGW staff will assist with leading and delivering content through virtual means).
- Provide a cohort of teens, ages 14-18, to participate in the full CoT program curriculum, project competition, and CoT Summit (if invited).
- Participate in a weekly check-in meeting for planning, training and alignment purposes. (Note, these meetings may be shorter, if not needed).
- Support teen engagement in throughout the full CoT program.
- Ensure that all participating club/organization members are aware of the expectations and requirements for CoT program participation.

- Submit all necessary forms and documents, including the Parent and Youth Permission forms, prior to all deadlines.
- Track club/organization member participation and engagement at all CoT events.
- Participate fully in all aspects of CoT events including meetings, sessions, activities, and the CoT Summit.
- Promote CoT initiatives and its mission to the local community and the media.
- Identify adult chaperones who will accompany teens to the CoT Summit, if invited.

### Staff Training and Development

Designated participating Club/Organization staff will receive virtual training and development prior to the CoT launch from BGCGW CoT staff.

### Participating Club/Organization Time Commitment

Participating Clubs/Organizations can anticipate a **3-hour CoT weekly time commitment** to execute the ten-week program and final project competition phases.

Tasks and Activities	Description	Time
Weekly Check-in Meetings	Designated Club/Organization Coordinator will participate in a weekly check-in meetings to plan and coordinate CoT program execution. The Coordinator may provide feedback, communicate support needs, and receive program guidance to assist with weekly preparation and facilitation.	1 hour per week (or less)
Weekly CoT Session Preparation	The designated Club/Organization Coordinator will prepare for the upcoming weekly CoT session to ensure content, learning resources and materials are planned.	30 minutes per week (or less)
Facilitate Weekly CoT Sessions	The designated Club/Organization Coordinator will facilitate the weekly 45-minute CoT session.	1 hour per week
Reporting and Feedback	The designated Club/Organization Coordinator may provide reporting and feedback on youth engagement and experiences with BGCGW staff.	30 minutes per week

## CoT 10-Week Program Sessions

During the 10-week program, each session will focus on interactive and hands-on learning activities for 45-minutes one day per week. CoT sessions will focus on global climate change as it relates to the transportation and energy industries. Teen members will have an opportunity to demonstrate and enhance their leadership, decision-making, and critical thinking skills while raising their awareness of real-world challenges and potential solutions.

### Weekly Session Topic Overview

Week	Session Topics
<a href="#">Week 1</a>	CoT and Global Climate Change
<a href="#">Week 2</a>	STEM: Transportation Basics
<a href="#">Week 3</a>	STEM: Energy Basics
<a href="#">Week 4</a>	Workforce Readiness: Career Exploration
<a href="#">Week 5</a>	Workforce Readiness: 21 <sup>st</sup> Century Skills and Education Needed
<a href="#">Week 6</a>	Diversity, Equity, and Inclusion: Environmental Injustice for Vulnerable Communities Introduction to the Final Competition Project
<a href="#">Week 7</a>	Diversity, Equity, and Inclusion: Solutions for Vulnerable Communities
<a href="#">Week 8</a>	Advocacy: Skills and Techniques Final Competition Project Instructions
<a href="#">Week 9</a>	Advocacy: Debate Competition
<a href="#">Week 10</a>	Wrap-up: Final Project Instructions and Program Evaluation

## Week 1: CoT and Global Climate Change

Duration: 45 minutes one day per week

### Week 1 Introduction (Video):

- Welcome Teen members to the Center of Transformation program.
- Provide an introduction and overview of the CoT Program.
  - Share the Mission and Vision
  - Introduce CoT leaders and staff.
  - Discuss the CoT Program Structure (*CoT Program Overview Package*) provided, calendar, 2024 theme, weekly program structure, final project competition, CoT Summit invitation process, rewards, and incentives).
  - Complete and submit the *Teen Registration Form* (if not already completed) at: <https://bit.ly/cotregistration>.
- Introduce global climate change, the greenhouse effect, and the science behind the phenomena.

Objectives: The objectives of this lesson are to:

- Introduce members to the Center of Transformation (CoT) and provide an overview of the 10-week program, final project competition, and invitation to the CoT Summit.
- Complete the online *Teen Registration Form* (if not already complete).
- Provide a basic understanding of global climate change, greenhouse gases (like carbon dioxide), why global climate change is important, and how it affects us all.
- Explain why climate change is not a future problem – it has already started.

Facilitator Time Commitment: 3 hours maximum

- Weekly Check-in Meetings: 1 hour per week (or less)
  - Please ensure that at least one person from your organization joins us each week so that we can share important CoT updates, answer questions, and ensure program alignment.
  - Join Zoom Meeting
    - <https://us02web.zoom.us/j/89252599378?pwd=Mkg0Um5QL2QzUzBLYUxkUzZSY21TUT09>
    - Meeting ID: 892 5259 9378
    - Passcode: 727575
- Session Preparation: 30 minutes per week (or less)
- Session Facilitator: 1 hour
- Reporting and Feedback: 30 minutes per week

Facilitator Instructions:

*(Teen Members are strongly encouraged to pay close attention to the Introduction and Learning Videos.)*



- Introduction Video: Begin the weekly session by playing the weekly BGCGW CoT Introduction video.
  - Set-up: It is recommended to set up the teen space before the teens join, test the projector/TV connection and play the video to check the video and audio features
  - Ensure that teens have access to electronic/mobile devices with an Internet connection.
  - The video will welcome teen members to the program and provide a brief overview of the CoT Program, the calendar of events, and how the weekly sessions are designed.
  - The video link can be found on: <https://www.clubhouseatyourhouse.com/about-4>
- Learning Video:
  - Play the learning video of the week.
    - Set-up: It is recommended to set up the teen space before the teens join, test the projector/TV connection and play the video to check the video and audio features
    - Ensure that teens have access to electronic/mobile devices with an Internet connection.
    - The video will introduce the topic of the week and provide teen members with basic learning materials.
    - Note: You will need to create an account first to watch this video at: <https://ourclimateourfuture.org/video/chapter-4/>
- Exercise or Activity: Kahoot! Game Competition:
  - Provide the Kahoot! game instructions to teen members.
    - The game will be based off the CoT and Global Climate Change videos watched.
    - **Facilitators must use the Kahoot! Host Link:** <https://create.kahoot.it/share/week-1-cot-and-global-climate-change-game/b0c89c36-cbb5-4f1d-8341-7e272eee3d72>
      - Launch the game and provide the players the Game Pin.
    - Have teens download the Kahoot! App or go to: [www.Kahoot.it](http://www.Kahoot.it) their computers, tablets, or mobile devices.
      - Teens should include their names in the app if they want to be considered for a prize.
    - Object of the Game: Teen Members will compete against each other to see who will get the most points.
  - Facilitators will email 1<sup>st</sup>, 2<sup>nd</sup>, and 3<sup>rd</sup> place Kahoot! winner names to: [cot@bgcgw.org](mailto:cot@bgcgw.org).

## Debrief

1. Discuss the session with teens and ask them questions:
  - What was one new thing you learned about the Center of Transformation?
  - What was one new thing you learned about Climate Change? Did anything from the climate change video surprise you?

2. Teen Registration: Make sure all teens completed the online Teen Registration form at: <https://bit.ly/cotregistration>. If not, have them do it during the session.
3. Share an Overview of Week 2 with the teens.

Week 1 Session:

<b>Duration</b>	<b>Activities</b>	<b>Facilitator</b>	<b>Resource(s)/ Material(s)</b>
<b>5 min</b>	Introductory CoT Overview (Live and Video recording)	BGCGW/CoT Staff	<ul style="list-style-type: none"> <li>• Virtual link (2 live launch sessions scheduled)</li> <li>• Video recording (for clubs that miss the live launch)</li> <li>• <b><i>CoT Program Overview Package</i></b></li> </ul>
<b>5 min</b>	Climate Change and Greenhouse Effect Video	BGCGW/CoT Staff or Club Facilitator	<ul style="list-style-type: none"> <li>• Learning video: <a href="https://ourclimateourfuture.org/video/chapter-4/">https://ourclimateourfuture.org/video/chapter-4/</a> (must create an account to watch the video)</li> </ul>
<b>5 min</b>	Game instructions and set-up (Kahoot! will be used to create questions related to the CoT program, climate change, and green and house gases. Teens will receive a link to the game and compete against each other. The object of the game will be to get the most points for correct answers.	BGCGW/CoT Staff or Club Facilitator	<ul style="list-style-type: none"> <li>• Facilitator Guide with Exercise Instructions</li> <li>• Computers/tablets needed for each participant.</li> <li>• Kahoot online game with preloaded questions will be provided.</li> <li>• Host Link for Facilitators: <a href="https://create.kahoot.it/share/week-1-cot-and-global-climate-change-game/b0c89c36-cbb5-4f1d-8341-7e272eee3d72">https://create.kahoot.it/share/week-1-cot-and-global-climate-change-game/b0c89c36-cbb5-4f1d-8341-7e272eee3d72</a></li> <li>• Provide participants with the link to the game: <a href="http://www.Kahoot.it">www.Kahoot.it</a></li> <li>• Players must provide their name to play.</li> </ul>

<b>20 min</b>	Kahoot! Game: Teens will answer question. 1 <sup>st</sup> , 2 <sup>nd</sup> , and 3 <sup>rd</sup> place winners will receive a prize.	Club Facilitator	<ul style="list-style-type: none"> <li>• Kahoot! Game Link: <a href="http://www.Kahoot.it">www.Kahoot.it</a></li> <li>• Kahoot! Download the Kahoot App</li> <li>• Players will need to enter the Game Pin and Use their first name.</li> </ul>
<b>10 min</b>	<p>Wrap-up:</p> <ul style="list-style-type: none"> <li>• <b>Teens:</b> Complete and submit the online <b>Teen Registration Form</b> (if not already completed) at: <a href="https://bit.ly/cotregistration">https://bit.ly/cotregistration</a>.</li> <li>• <b>Facilitators:</b> <ul style="list-style-type: none"> <li>○ Provide the teens with a brief overview of Week 2's session.</li> <li>○ Email the names of the first place and second place Kahoot! winners from your club or organization.</li> </ul> </li> </ul>	Club Facilitator	<ul style="list-style-type: none"> <li>• Complete the online <b>Teen Registration Form</b> at <a href="https://bit.ly/cotregistration">https://bit.ly/cotregistration</a>.</li> <li>• Week 2 overview.</li> <li>• Email 1<sup>st</sup> and 2<sup>nd</sup> place Kahoot! winner names.</li> </ul>

### Outcomes and Deliverables:

- Measured results of member understanding of the CoT program, global climate change and greenhouse gases and, why it is important, and how it affects members' lives.
- Teens will submit **Teen Registration Forms**, if not already submitted
- Facilitators will email 1<sup>st</sup>, 2<sup>nd</sup>, and 3<sup>rd</sup> place Kahoot! winner names to: [cot@bgcgw.org](mailto:cot@bgcgw.org).

## Week 2: STEM: Transportation Basics

Duration: 45 minutes

### Week 2 Introduction (Video):

- Welcome Members back briefly recap Week 1.
- Provide an overview of Week 2's focus on modes of transportation and global climate change.
- Introduce the CoT Journey scenario for Weeks 2-10.
- Summarize this week's activities.

### Objectives: The objectives of this session are to:

- Provide a basic understanding of the modes of transportation.
- Recognize how transportation can affect the greenhouse gas emissions.
- Understand how various forms of transportation contribute to climate change and what solutions may address the problem.
- Select a mode of transportation and primary energy source that will be used for the CoT journey ahead.

### Facilitator Time Commitment: 3 hours maximum

- Weekly Check-in Meetings: 1 hour per week (or less)
  - Please ensure that at least one person from your organization joins us each week so that we can share important CoT updates, answer questions, and ensure program alignment.
  - Join Zoom Meeting
    - <https://us02web.zoom.us/j/89252599378?pwd=Mkg0Um5QL2QzUzBLYUxkUzZSY21TUT09>
    - Meeting ID: 892 5259 9378
    - Passcode: 727575
- Session Preparation: 30 minutes per week (or less)
- Session Facilitator: 1 hour
- Reporting and Feedback: 30 minutes per week

Week 2 Session:

<b>Duration</b>	<b>Activities</b>	<b>Facilitator</b>	<b>Resource(s)/ Material(s)</b>
<b>5 min</b>	Week 2 CoT Video	BGCGW/CoT Staff	<ul style="list-style-type: none"> <li>• Video link</li> <li>• Reference: <i>CoT Program Overview Package</i></li> </ul>
<b>5 min</b>	Video: Transportation	Club Facilitator	<ul style="list-style-type: none"> <li>• Learning Video: <a href="https://youtu.be/c4iVCJ00BYA">https://youtu.be/c4iVCJ00BYA</a></li> <li>• Modes of Transportation: <a href="https://youtu.be/d0ySC2tzlZI">https://youtu.be/d0ySC2tzlZI</a></li> </ul>
<b>30 min</b>	<p>Transportation Group Exercise - Video Creation:</p> <p>Part 1: Research a Mode of Transportation Members will work in teams of two and select from one of the transportation modes (limit duplicate modes until all are covered): (1) cars, (2) buses, (3) trucks, (4) trains, (5) ships, (6) aircraft, (7) pipelines, and (8) micro mobility. Then, research a mode of transportation and complete the <i>Transportation Selection Worksheet</i>.</p> <p>Part II: Record a song, rap, or poem video (60 sec max) that explains <b>one issue</b> on how that mode contributes to climate change. The song/rap/or poem should explain (1) team member names, (2) the mode selected, (3) who or what does the mode of transportation transport,</p>	Club Facilitator	<ul style="list-style-type: none"> <li>• Part 1: Facilitator will ensure teens select a different mode until all modes are covered.</li> <li>• Teens will research their selected mode of transportation and complete the <i>Transportation Selection Worksheet</i>.</li> <li>• Part II: Mobile or recording device.</li> <li>• Video (.mp4, or .mov) format</li> </ul>

	(4) primary energy source used, (5) describe how the mode contributes to the climate change challenge, (6) offer one solution to addressing climate change for this mode. CoT staff will evaluate videos and select a club winner for the week. or consider a social media campaign where teens post on social media (IG) and tag BGCGW for a week to see which campaign gets the most views and likes).		
<b>5 min</b>	Wrap-up	Club Facilitator	<ul style="list-style-type: none"> <li>• Debrief questions.</li> <li>• Week 3 overview.</li> <li>• Submit <i>Transportation Selection Worksheet</i> and 2 minute video to the CoT portal.</li> </ul>

Outcomes:

- Submitted *Transportation Selection Worksheet*.

- Submitted 60 second video demonstrating awareness of how transportation modes cause climate change issues and one solution that can address the issue.

### Week 3: STEM: Energy Basics

Duration: 45 minutes

#### Week 3 Introduction (Video):

- Welcome Members back briefly recap Week 2.
- Provide an overview of Week 3's focus on energy, STEM, and global climate change.
- Explore different types of transportation related energy sources (fossil fuels, renewables, clean, hydrogen, wind, solar, electric)
- Summarize this week's activities.

Objectives: The objectives of this session are to:

- Provide a basic understanding of energy is, its properties.
- Explore the different types of energy (fossil fuels, renewables, hydrogen, wind, water, solar, clean, and electric), and how energy is consumed in the transportation industry.
- Describe energy in the context of global climate change, transportation, and STEM and how we make decisions about energy, and the society-wide impacts of energy use related climate change.
- Participate in a hands-on energy activity or experiment.
- Explore how different transportation modes use energy.

Facilitator Time Commitment: 3 hours maximum

- Weekly Check-in Meetings: 1 hour per week (or less)
  - Please ensure that at least one person from your organization joins us each week so that we can share important CoT updates, answer questions, and ensure program alignment.
  - Join Zoom Meeting
    - <https://us02web.zoom.us/j/89252599378?pwd=Mkg0Um5QL2QzUzBLYUxkUzZSY21TUT09>
    - Meeting ID: 892 5259 9378
    - Passcode: 727575
- Session Preparation: 30 minutes per week (or less)
- Session Facilitator: 1 hour
- Reporting and Feedback: 30 minutes per week



Week 3 Session:

<b>Duration</b>	<b>Activities</b>	<b>Facilitator</b>	<b>Resource(s)/ Material(s)</b>
<b>5 min</b>	Week 3 CoT Video	BGCGW/CoT Staff	<ul style="list-style-type: none"> <li>• Video link</li> <li>• Reference: <i>CoT Program Overview Package</i></li> </ul>
<b>5 min</b>	Video: What is Energy	Club Facilitator	<ul style="list-style-type: none"> <li>• Learning Video:</li> <li>• Energy 101: <a href="https://www.youtube.com/watch?v=nRTrxA3gWXY">https://www.youtube.com/watch?v=nRTrxA3gWXY</a></li> <li>• What is Energy: <a href="https://www.youtube.com/watch?v=4HdxQhBRDUI">https://www.youtube.com/watch?v=4HdxQhBRDUI</a></li> <li>• <a href="https://youtu.be/PKm4ZVNmJyQ?si=TolMKga4wFl3-tJe">https://youtu.be/PKm4ZVNmJyQ?si=TolMKga4wFl3-tJe</a></li> <li>• Science: <a href="https://youtu.be/TZHuWUwwUAg?si=WVh3NRN04xDaNA0P">https://youtu.be/TZHuWUwwUAg?si=WVh3NRN04xDaNA0P</a></li> </ul>
<b>5 min</b>	Types of Energy Activity Instructions	Club Facilitator	<ul style="list-style-type: none"> <li>• Instructions</li> </ul>
<b>25 min</b>	Types of Energy Activity: Explore different types of energy (fossil fuels, renewable, and clean) used to support the transportation industry. Teens will identify which types of energy help and/or harm the environment more. Explain why.	Club Facilitator	<ul style="list-style-type: none"> <li>• Materials</li> <li>• <i>Energy Worksheet</i></li> </ul>
<b>5 min</b>	Wrap-up	Club Facilitator	<ul style="list-style-type: none"> <li>• Debrief questions.</li> <li>• Week 4 overview.</li> </ul>

Outcomes:

- Awareness of energy in the context of global climate change, transportation, and STEM and how we make decisions about energy, and the society-wide impacts of energy use related climate change.
- Submitted *Energy Worksheet*.

## Week 4: Workforce Readiness: Career Exploration

Duration: 45 minutes

### Week 4 Introduction (Video):

- Welcome Members back briefly recap Week 3.
- Introduce the concept of green careers.
- Provide an overview of Week 4's focus on careers in global climate change, transportation, and energy industries.
- Summarize this week's activities.

### Context:

Climate change is reshaping the employment landscape, whether you want a career that helps the planet or just want a job in a growing field. Environmental and sustainability studies are booming in colleges, with Millennials especially wanting to work for companies that are making a difference. A survey of Gen Z and Millennial workers found more than 40% either have or plan to change jobs due to climate concerns. In the coming decades every job will have a climate component, whether it's financiers, doctors and nurses, farmers, accountants, sustainability officers or policymakers.

It is important to expose teens to careers in green careers such as global climate change, transportation, and energy before they become disinterested, especially females and teens of color. A green career can be any occupation that is affected by activities such as conserving energy, developing alternative energy, reducing pollution, or recycling. Green careers are about jobs that protect the environment, renewable energy sources, food and crops, biodiversity, and climate change.

Career categories: Science, policy, business, marketing, communications, medical, etc.

### Sources:

- <https://www.usatoday.com/story/news/nation/2023/07/22/get-a-job-in-growing-careers-how-climate-change-will-shape-hiring/70433027007/>
- <https://www.climatechangecareers.com>
- <https://unity.edu/careers/climate-change-careers/>
- <https://www.careeronestop.org/GreenCareers/WhatAreGreenCareers/what-are-green-careers.aspx>

Objectives: The objectives of this session are to:

- Explore careers in global climate change, transportation, and energy industries to prepare teens to the workforce tomorrow.
- Expose teens to careers that can help solve the impacts of climate change.

Facilitator Time Commitment: 3 hours maximum

- Weekly Check-in Meetings: 1 hour per week (or less)

- Please ensure that at least one person from your organization joins us each week so that we can share important CoT updates, answer questions, and ensure program alignment.
- Join Zoom Meeting
  - <https://us02web.zoom.us/j/89252599378?pwd=Mkg0Um5QL2QzUzBLYUxkUzZSY21TUT09>
  - Meeting ID: 892 5259 9378
  - Passcode: 727575
- Session Preparation: 30 minutes per week (or less)
- Session Facilitator: 1 hour
- Reporting and Feedback: 30 minutes per week

Week 4 Session:

<b>Duration</b>	<b>Activities</b>	<b>Facilitator</b>	<b>Resource(s)/ Material(s)</b>
<b>5 min</b>	Week 4 CoT Video	BGCGW/CoT Staff	<ul style="list-style-type: none"> <li>• Video link</li> <li>• CoT Overview Package</li> </ul>
<b>5 min</b>	Video: Careers in global climate change, transportation, and energy	Club Facilitator	<ul style="list-style-type: none"> <li>• Learning video:</li> <li>• Resource: <a href="http://www.cleanet.org/resources/57234.html">www.cleanet.org/resources/57234.html</a></li> <li>• DoT Materials: <a href="http://www.transportation.gov/womenandgirls/resources-teachers-mentors">www.transportation.gov/womenandgirls/resources-teachers-mentors</a></li> </ul>
<b>5 min</b>	Career Exploration Activity Instructions: Teens will research one career of interest related to the Transportation mode selected in week 2 and energy source explored in Week 3.	Club Facilitator	<ul style="list-style-type: none"> <li>• Instructions</li> </ul>
<b>30 min</b>	<p>Career Exploration Activities:</p> <p>Part 1: Research a notable figure or person in energy trace their career path and Complete the <i>Career Path Exploration Worksheet</i>. Teens will present their career learnings to each other.</p> <p>Part 2: Share 2-3 questions to ask career professionals in Week 5.</p>	Club Facilitator	<p>Resources:</p> <ul style="list-style-type: none"> <li>• Green Careers: <a href="https://www.careeronestop.org/GreenCareers/ExploreGreenCareers/explore-green-careers.aspx">https://www.careeronestop.org/GreenCareers/ExploreGreenCareers/explore-green-careers.aspx</a></li> <li>• Fast Growing Careers: <a href="https://www.careeronestop.org/Toolkit/Careers/fastest-growing-careers.aspx">https://www.careeronestop.org/Toolkit/Careers/fastest-growing-careers.aspx</a></li> <li>• <i>Career Path Exploration Worksheet</i></li> <li>•</li> </ul>
<b>5 min</b>	Wrap-up	Club Facilitator	<ul style="list-style-type: none"> <li>• Debrief questions.</li> <li>• Week 5 overview.</li> <li>• Submit <i>Career Path Exploration Worksheet</i></li> </ul>

Outcomes:

- Submitted *Career Path Exploration Worksheet* of understanding careers of interest that align with global climate change, transportation, and energy.

## Week 5: Workforce Readiness: 21<sup>st</sup> Century Skills and Education Needed

Duration: 45 minutes

### Week 5 Introduction (Video):

- Welcome Members back and briefly recap Week 4.
- Provide an overview of Week 5's focus on careers and the 21<sup>st</sup> century skills and education needed in the global climate change, transportation, and energy industries.
- Summarize this week's activities.

Objectives: The objectives of this session are to:

- Understand and explore 21<sup>st</sup> century education, skills and qualifications needed in global climate change, transportation, and energy industries.
- Identify skills and interests that connect to various global climate change, transportation, and energy.

Facilitator Time Commitment: 3 hours maximum

- Weekly Check-in Meetings: 1 hour per week (or less)
  - Please ensure that at least one person from your organization joins us each week so that we can share important CoT updates, answer questions, and ensure program alignment.
  - Join Zoom Meeting
    - <https://us02web.zoom.us/j/89252599378?pwd=Mkg0Um5QL2QzUzBLYUxkUzZSY21TUT09>
    - Meeting ID: 892 5259 9378
    - Passcode: 727575
- Session Preparation: 30 minutes per week (or less)
- Session Facilitator: 1 hour
- Reporting and Feedback: 30 minutes per week

### Week 5 Session:

<b>Duration</b>	<b>Activities</b>	<b>Facilitator</b>	<b>Resource(s)/ Material(s)</b>
<b>5 min</b>	Week 5 CoT Live Introduction	BGCGW/CoT Staff	<ul style="list-style-type: none"> <li>• Virtual link</li> </ul>
<b>5 min</b>	Training Video	Club Facilitator	<ul style="list-style-type: none"> <li>• <a href="https://www.youtube.com/watch?v=NX8zbFYbFIU">https://www.youtube.com/watch?v=NX8zbFYbFIU</a></li> </ul>
<b>30 min</b>	Virtual Career Professional Round table Discussion with teen Q&A (ask members who	BGCGW/CoT Staff	<ul style="list-style-type: none"> <li>• Virtual diverse career professional panel (2 round table sessions) to accommodate time zone differences</li> </ul>

	they would like to speak with or hear from)		
<b>5 min</b>	Wrap-up	Club Facilitator	<ul style="list-style-type: none"> <li>• Debrief questions.</li> <li>• Week 6 overview.</li> </ul>

Outcomes:

- Increased member awareness of 21<sup>st</sup> century education, skills and qualifications needed in global climate change, transportation, and energy industries.



## Week 6: Diversity, Equity, & Inclusion: Environmental Injustices for Vulnerable Communities

Duration: 45 minutes

### Week 6 Introduction (Video):

- Welcome members back and briefly recap Week 5.
- Define and provide an overview of Week 6's focus on diversity, equity, and inclusion with environmental injustices related to climate change with vulnerable communities.
- Introduce the CoT Final Project Competition (golden ticket to the CoT Summit in Washington, DC)
- Summarize this week's activities.

Objectives: The objectives of this session are to:

- Understand and explore DEI systemic environmental injustices with vulnerable communities.
- Explore how decisions and actions with global climate change, transportation, and energy affect vulnerable communities.
- Identify impacts and connections of environmental injustices on vulnerable communities.
- Introduce the CoT Final Project Competition.

Facilitator Time Commitment: 3 hours maximum

- Weekly Check-in Meetings: 1 hour per week (or less)
  - Please ensure that at least one person from your organization joins us each week so that we can share important CoT updates, answer questions, and ensure program alignment.
  - Join Zoom Meeting
    - <https://us02web.zoom.us/j/89252599378?pwd=Mkg0Um5QL2QzUzBLYUxkUzZSY21TUT09>
    - Meeting ID: 892 5259 9378
    - Passcode: 727575
- Session Preparation: 30 minutes per week (or less)
- Session Facilitator: 1 hour
- Reporting and Feedback: 30 minutes per week

Week 6 Session

<b>Duration</b>	<b>Activities</b>	<b>Facilitator</b>	<b>Resource(s)/ Material(s)</b>
<b>5 min</b>	Week 6 CoT Video	BGCGW/CoT Staff	<ul style="list-style-type: none"> <li>• Video</li> <li>• CoT Overview Package</li> <li>• Final Project Overview</li> </ul>
<b>5 min</b>	Energy Justice Video	BGCGW/CoT Staff	<ul style="list-style-type: none"> <li>• Learning video:</li> <li>• <a href="https://www.youtube.com/watch?v=NX8zbFYbFIU">https://www.youtube.com/watch?v=NX8zbFYbFIU</a></li> <li>• <a href="https://youtu.be/sn6_GpgrGc?si=E0Wo4OTcXBIo21OF">https://youtu.be/sn6_GpgrGc?si=E0Wo4OTcXBIo21OF</a></li> <li>• <a href="https://www.cnn.com/videos/world/2023/11/24/climate-change-women-impact-explained-as-equals-lon-orig.cnn">Women/Girl Impact Video: https://www.cnn.com/videos/world/2023/11/24/climate-change-women-impact-explained-as-equals-lon-orig.cnn</a></li> </ul>
<b>5 min</b>	DEI Scenario & Role Playing Exercise	Club Facilitator	<ul style="list-style-type: none"> <li>• Instructions</li> </ul>
<b>25 min</b>	<p>DEI Scenario &amp; Role Playing Exercise: Who Do You Save? What decisions would make? What trade-offs and choices Exercise (who and how might individuals be impacted: financially, social, health, environmental, education, access to resources, equity in pay, racism)</p> <p>Must wear different hats and get them to think outside of their position with different choices and consequences. Create a space where teens have to give them choices and defend them. Ethical, social, financial, environmental dilemmas.</p>	Club Facilitator	<ul style="list-style-type: none"> <li>• Resource</li> </ul>

<b>5 min</b>	Wrap-up	Club Facilitator	<ul style="list-style-type: none"><li>• Debrief questions.</li><li>• Week 7 overview.</li></ul>
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Outcomes:

- Increased awareness of DEI systemic global climate change, transportation, and environmental injustices with vulnerable communities.
- Submitted DEI Exercise Assignment

## Week 7: Diversity, Equity, & Inclusion: Solutions for Vulnerable Communities

Duration: 45 minutes

### Week 7 Introduction (Video):

- Welcome members back and briefly recap Week 6.
- Define and provide an overview of Week 7's focus on diversity, equity, and inclusion.
- Explore DEI environmental justice solutions for global climate change, transportation, and energy for vulnerable communities (culturally relevant).
- Summarize this week's activities.

Objectives: The objectives of this session are to:

- Understand and explore solutions for global climate change, transportation, and energy for vulnerable communities.
- Encourage members to get involved and advocate for vulnerable communities (local communities and culturally relevant).
- Introduce the CoT Final Project Competition (see *CoT Final Project Competition Package*).

Facilitator Time Commitment: 3 hours maximum

- Weekly Check-in Meetings: 1 hour per week (or less)
  - Please ensure that at least one person from your organization joins us each week so that we can share important CoT updates, answer questions, and ensure program alignment.
  - Join Zoom Meeting
    - <https://us02web.zoom.us/j/89252599378?pwd=Mkg0Um5QL2QzUzBLYUxkUzZSY21TUT09>
    - Meeting ID: 892 5259 9378
    - Passcode: 727575
- Session Preparation: 30 minutes per week (or less)
- Session Facilitator: 1 hour
- Reporting and Feedback: 30 minutes per week

Week 7 Session:

<b>Duration</b>	<b>Activities</b>	<b>Facilitator</b>	<b>Resource(s)/ Material(s)</b>
<b>5 min</b>	Week 7 CoT Live Introduction	BGCGW/CoT Staff	<ul style="list-style-type: none"> <li>• Virtual Introduction</li> <li>• <i>CoT Final Project Competition Package</i></li> </ul>
<b>35 min</b>	DEI Expert Panel Discussion with Teen Moderator	BGCGW/CoT Staff	<ul style="list-style-type: none"> <li>• Teen Moderator Selected</li> <li>• Members ask the DEI panel questions that focus on solutions and ways teens can get involved.</li> <li>• DEI panel of experts</li> </ul>
<b>5 min</b>	Wrap-up	Club Facilitator	<ul style="list-style-type: none"> <li>• Debrief questions.</li> <li>• Week 8 overview.</li> </ul>

Outcomes:

- Members understanding of ways they can get involved to assist those in vulnerable communities.

## Week 8: Advocacy: Skills, and Techniques

Duration: 45 minutes

### Week 8 Introduction (Video):

- Welcome members back and briefly recap Week 7.
- Introduce global climate change, transportation, and energy advocacy, skills, and techniques.
- Introduce the three steps to advocacy
- Share instructions for final competition project instructions.
- Summarize this week's activities.

Objectives: The objectives of this session are to:

- Explore advocacy in global climate change, transportation, and energy challenges.
- Introduce the three steps of advocacy.
- Outline basic advocacy skills, techniques, and best practices to improve members' critical thinking skills, boost their confidence, and improve their communication skills.
- Encourage members to share any personal experiences or observations.
- Introduce the CoT Final Project Competition.

Facilitator Time Commitment: 3 hours maximum

- Weekly Check-in Meetings: 1 hour per week (or less)
  - Please ensure that at least one person from your organization joins us each week so that we can share important CoT updates, answer questions, and ensure program alignment.
  - Join Zoom Meeting
    - <https://us02web.zoom.us/j/89252599378?pwd=Mkg0Um5QL2QzUzBLYUxkUzZSY21TUT09>
    - Meeting ID: 892 5259 9378
    - Passcode: 727575
- Session Preparation: 30 minutes per week (or less)
- Session Facilitator: 1 hour
- Reporting and Feedback: 30 minutes per week

Week 8 Session:

<b>Duration</b>	<b>Activities</b>	<b>Facilitator</b>	<b>Resource(s)/ Material(s)</b>
<b>5 min</b>	Week 8 CoT Video	BGCGW/CoT Staff	<ul style="list-style-type: none"> <li>• Video link</li> </ul>
<b>5 min</b>	Advocacy 101	Club Facilitator	<ul style="list-style-type: none"> <li>• Facilitator Guide</li> </ul>
<b>5 min</b>	Advocacy Skills Exercise Instructions	Club Facilitator	<ul style="list-style-type: none"> <li>• Facilitator Guide</li> </ul>
<b>25 min</b>	<p>Advocacy Skills Exercise: Research, Writing, and Peer Presentation.</p> <p><u>Choose an advocacy topic &amp; creating your personal advocacy statement.</u></p> <p>“When I think about _____ (a topic, issue, or policy I’d like to change), I feel _____, because _____.”</p>	Club Facilitator	<ul style="list-style-type: none"> <li>• <b><i>Personal Advocacy Statement Form</i></b></li> </ul>
<b>5 min</b>	Debrief and Wrap-up	Club Facilitator	<ul style="list-style-type: none"> <li>• Debrief</li> <li>• Week 9 overview</li> <li>• Submit <b><i>Personal Advocacy Statement Form</i></b></li> </ul>

Outcomes:

- Members with increased advocacy and debate capabilities that improve members’ critical thinking skills, boost their confidence, and improve their communication skills.
- Submit ***Personal Advocacy Statement Form***

## Week 9: Advocacy: Debate Competition

Duration: 45 minutes

### Week 9 Introduction (Video):

- Welcome members back and briefly recap Week 8.
- Define and provide an overview of Week 9's focus advocacy through debating.
- Discuss the importance for teens to advocate, debate and take action on global climate change, transportation, and energy challenges and solutions.
- Introduce the CoT Final Project Competition.
- Summarize this week's activities.

Objectives: The objectives of this session are to:

- Increase understanding and awareness of climate change complexities.
- Empowering members to strengthen their capabilities to advocate, debate, and take action to address global climate change, transportation, and energy challenges.
- Introduce the CoT Final Project Competition.

Facilitator Time Commitment: 3 hours maximum

- Weekly Check-in Meetings: 1 hour per week (or less)
  - Please ensure that at least one person from your organization joins us each week so that we can share important CoT updates, answer questions, and ensure program alignment.
  - Join Zoom Meeting
    - <https://us02web.zoom.us/j/89252599378?pwd=Mkg0Um5QL2QzUzBLYUxkUzZSY21TUT09>
    - Meeting ID: 892 5259 9378
    - Passcode: 727575
- Session Preparation: 30 minutes per week (or less)
- Session Facilitator: 1 hour
- Reporting and Feedback: 30 minutes per week



Week 9 Session:

<b>Duration</b>	<b>Activities</b>	<b>Facilitator</b>	<b>Resource(s)/ Material(s)</b>
<b>5 min</b>	Week 9 CoT Video	BGCGW/CoT Staff	<ul style="list-style-type: none"> <li>• Video link</li> <li>• <b><i>Final Project Competition Package</i></b></li> </ul>
<b>5 min</b>	<p>Debate Competition Instructions:</p> <p>Debate Competition Activity: Organize members into two groups. One group will argue for the issue and the other will argue against the issue.</p> <p>Members will be provided an advocacy scenario and position.</p> <p>Each group will research their advocacy scenario and develop a debate argument. Designate someone to record the debate with a video and include the:</p> <ul style="list-style-type: none"> <li>• <b>Claim:</b> main points of argument.</li> <li>• <b>Source:</b> one statistic or data point to support the position</li> <li>• <b>Impact:</b> discuss impact to the environment and vulnerable communities.</li> <li>• Key messages for the topic at least one visual aid (poster, diagram, brochure, etc.)</li> <li>• Address counter argument</li> </ul>	Club Facilitator	<ul style="list-style-type: none"> <li>• Instructions</li> <li>• <b><i>Debate Competition Criteria</i></b></li> <li>• <b><i>Debate Video</i></b></li> <li>• Resources:</li> <li>• Issue Toolkit: <a href="https://www.worldof8billion.org/activism-toolkit/the-issues/">https://www.worldof8billion.org/activism-toolkit/the-issues/</a></li> <li>• Take Action Toolkit: <a href="https://www.worldof8billion.org/activism-toolkit/take-action/">https://www.worldof8billion.org/activism-toolkit/take-action/</a></li> </ul>

	Each group will prepare and practice a 5-minute debate speech for the debate competition in Week 9 using the <i>Debate Competition Criteria</i> . The group who presents the strongest argument will win prizes.		
<b>20 min</b>	Debate Competition: Each group will research and prepare a 2-3 minute debate presentation based on the Debate Competition Criteria.	Club Facilitator	<ul style="list-style-type: none"> <li>• <i>Debate Competition Criteria</i></li> </ul>
<b>10 min</b>	Debate Competition: Each group will present (and record) a 2-3 minute debate advocating for or against a topic.	Club Facilitator	<ul style="list-style-type: none"> <li>• Resources:</li> <li>• 3 local Contest Judges (odd number)</li> <li>• <i>Debate Competition Evaluation Form</i></li> </ul>
<b>5 min</b>	Wrap-up	Club Facilitator	<ul style="list-style-type: none"> <li>• Submit the <i>Debate Video</i></li> <li>• Submit the <i>Debate Competition Winning Group Form</i>.</li> <li>• Share the Debate Competition winner and announce prizes.</li> <li>• Week 10 overview.</li> </ul>

Outcomes:

- Members strengthening their advocacy and debate capabilities while understanding climate change complexities.
- Submitted
  - *Debate Video* (one per group by Members).
  - *Debate Competition Winning Group Form* (by Facilitator).

## Week 10: Wrap-up: Final Project Instructions and Program Evaluation

Duration: 45 minutes

### Week 10 Introduction (Video):

- Welcome members back and briefly recap Week 9.
- Congratulate the winners from the Week 9 Debate Competition.
- Congratulate all members for completing the 10-week CoT program.
- Encourage members and facilitators to provide feedback and suggestions for improvement on the 10-week program.
- Provide details for the CoT Final Project Competition.
  - Instructions
  - Submission deadlines
  - Next steps (and timelines) with evaluating projects and announcing winners, and inviting members to the CoT Summit in Washington, DC.
- Live Q&A

Objectives: The objectives of this session are to:

- Provide details for the CoT Final Project Competition and review the *CoT Final Project Competition Package*
- Encourage members to complete and submit the *CoT Final Project Competition Selection Form*.
- Complete the electronic *Member Program Evaluation*.
- Complete the electronic *Facilitator Program Evaluation*.

Facilitator Time Commitment: 3 hours maximum

- Weekly Check-in Meetings: 1 hour per week (or less)
  - Please ensure that at least one person from your organization joins us each week so that we can share important CoT updates, answer questions, and ensure program alignment.
  - Join Zoom Meeting
    - <https://us02web.zoom.us/j/89252599378?pwd=Mkg0Um5QL2QzUzBLYUxkUzZSY21TUT09>
    - Meeting ID: 892 5259 9378
    - Passcode: 727575
- Session Preparation: 30 minutes per week (or less)
- Session Facilitator: 1 hour
- Reporting and Feedback: 30 minutes per week

Week 10 Session:

<b>Duration</b>	<b>Activities</b>	<b>Facilitator</b>	<b>Resource(s)/ Material(s)</b>
<b>10 min</b>	Week 10 CoT (Live Introduction & Video)	BGCGW/CoT Staff	<ul style="list-style-type: none"> <li>• Virtual Link and Video link</li> <li>• <i>CoT Final Project Competition Package</i></li> </ul>
<b>20 min</b>	Members Review <i>CoT Final Project Competition Packages</i> and Submit their <i>CoT Final Project Selection Form</i>	Club Facilitator	<ul style="list-style-type: none"> <li>• Complete the <i>CoT Final Project Selection Form</i></li> </ul>
<b>15 min</b>	Wrap-up	Club Facilitator	<ul style="list-style-type: none"> <li>• Complete the <i>Member Program Evaluation</i></li> <li>• Complete the <i>Facilitator Program Evaluation</i></li> </ul>

Outcomes:

- Submitted *CoT Final Project Competition Selection Form*.
- Submitted *Member Program Evaluation and Facilitator Program Evaluation* (QR code or link) feedback on the CoT 10-week program.

## Center of Transformation

### Program Forms and Documents

<b>Week</b>	<b>Form or Document</b>	<b>Type</b>	<b>Instructions</b>
General	<i>Attendance Tracker by Club</i>		
Week 1	<i>CoT Program Overview Package</i>	Document	For Member and Facilitator Reference
Week 1	<i>Teen Registration</i>	Electronic form	Members will submit by the end of Week 1.
Week 2	<i>Transportation Selection Worksheet</i>	Electronic form	Members will submit by the end of Week 2.
Week 3	<i>Energy Worksheet</i>	Electronic form	Members will submit by the end of Week 3.
Week 4	<i>Career Path Exploration Worksheet</i>	Electronic form	Members will submit by the end of Week 4.
Week 6-10	<i>CoT Final Project Competition Package</i>	Document	For Member and Facilitator Reference
Week 9	<i>Debate Video</i>	Electronic form	Members will submit by the end of Week 9 (one per group).
Week 9	<i>Debate Competition Criteria</i>	Document	For Member and Facilitator Reference
Week 9	<i>Debate Competition Evaluation Form</i>	Document	For Debate Competition Judges
Week 9	<i>Debate Competition Winning Group Form</i>	Electronic form	Facilitators will submit online by the end of Week 9.
Week 10	<i>CoT Final Project Competition Selection Form</i>	Electronic form	Members will submit online by the end of Week 10.
Week 10	<i>Member Program Evaluation</i>	Electronic form	Members will submit online by the end of Week 10.
Week 10	<i>Facilitator Program Evaluation</i>	Electronic form	Facilitators will submit online by the end of Week 10.

## **Final Project Competition**

At the conclusion of the 10-week CoT program, members will have an opportunity to participate in the final project competition to showcase their increased awareness and knowledge. Members will have an opportunity to participate in the final project competition to showcase their increased awareness and knowledge. Members will be provided project instructions and a specified timeframe to complete and submit their projects. Final projects will be evaluated based on established criteria and some project winners will be invited to the CoT Summit in Washington, DC. More details on the final project competition will be provided.

## **CoT Summit**

The culmination of CoT's efforts is the annual Center of Transformation Summit (CoTS) in Washington, DC, June 16-21, 2024: for a week of learning, advocacy, networking, a career fair, and a world-class experiences unique to our nation's capital. More details will provided.