



2025

Center of Transformation (CoT)

“Artificial Intelligence in the Food Industry”

Facilitator Handbook –

Week 7 Session

March 10, 2025

Developed By

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Week 7: Artificial Intelligence in the Food Industry

Welcome to Week 7 of CoT! In Week 6 we discussed the importance of addressing food disposal and waste.

Please use this handbook to help you facilitate your weekly session. This week's session will focus on food systems. This week we will focus on food disposal and waste.

Teen Members are strongly encouraged to pay close attention to the CoT Intro and Learning Videos.

Session Duration: 60 minutes (1 hour) one day per week

Objectives: The objectives of this session are to:

- Define artificial intelligence (AI) and explain its key components (machine learning, data analysis, automation).
- Explain potential uses of AI in the food industry.
- Discuss appropriate and ethical usages of AI.
- Participate in a hands-on activity using an AI tool.

Facilitator Time Commitment: 3 hours maximum

- Weekly Check-in Meetings (Mondays at 1:00 pm EST): 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=Mkg0Um5QL2QzUzBLYUxkUzZSY2lTUT09>
 - Meeting ID: 892 5259 9378
 - Passcode: 727575
- Session Preparation: 30 minutes per week (or less)
- Facilitated Session: 1 hour
- Reporting and Feedback: 30 minutes per week

Facilitator Set Up Instructions:

- Curriculum & Videos: The weekly session content and videos can be found at: <https://www.clubhouseatyourhouse.com/cot>. Scroll down to the “Weekly CoT Session” section of the web page and click on a specific week.
- Virtual Session Facilitation:
 - The Zoom room will open 15 minutes before the start of the session.
 - CoT Virtual Session Zoom Link (for Tuesdays at 5:30 pm EST):
<https://us02web.zoom.us/j/86240200821?pwd=bdzAhVMKunhfdNgD5aEktKOGq7UvoK.1>
 Meeting ID: 862 4020 0821
 Passcode: 951492
 - ***Teens should join the Zoom from individual devices and prepare to engage and keep their cameras on.***
 - Club/Organization facilitators should also join the virtual session and participate and help facilitate the discussion with teens.
 - Take pictures and video clips of your group and email them to: cot@bgcgw.org.
 - Note: Clubhouse @ Your House will run a separate session on Thursdays.
- In-person facilitation:
 - Arrive at least 15-30 minutes before the start of the session to set-up and prepare.
 - Teens should have access to electronic devices and the Internet for weekly activities.
 - The weekly session curriculum content and facilitation instructions can be found on the CoT website at <https://www.clubhouseatyourhouse.com/2025week7>.
 - Take pictures and video clips of your group and email them to: cot@bgcgw.org.

Week 7 Intro (Video):

- Begin the weekly session by playing the weekly BGCGW CoT Intro video.
 - The video will welcome teen members back for Week 7 of CoT, provide a brief recap of Week 6, share key dates, and introduce what we will do in Week 7.
2. The intro video can be accessed at:
<https://www.clubhouseatyourhouse.com/2025week7>.

Week 7 Learning Moment (Video):

- The learning video will align with the topic of the week. After the Intro video, the facilitator should play the weekly learning moment video for teens. This video will provide teens with valuable information needed to be successful for the weekly session.

- Learning Moment Video: “How AI is Transforming the Food Industry” (5:42)
 - Google Link: https://drive.google.com/file/d/1dkh6gzjmy0h5ZMEL0wbb2L40NFQsxmnZ/view?usp=share_link
 - YouTube Link: <https://youtu.be/T7LExSOhCNk?si=B8-UNW42ntYw2UGp>

Live Discussion with Booz Allen Professionals (Optional)

We may have professionals from Booz Allen joining us in the virtual session to discuss AI and how to use it in ethical and appropriate ways. Here are some questions they may speak on:

1. Please introduce yourself and share your name, title, a brief description of your role at Booz Allen?
2. How do you define AI?
3. How do you use AI in your daily job/role or life (human connection perspective)?
4. Share some AI tools that might be of interest to teens.
5. How do you think AI could be used in the food industry?
6. What’s one thing you find exciting about AI?
7. What advice would you give to teens on appropriate and ethical use of AI?

Join Us Live: (All club and organizations welcome!)

Date: Tuesday, March 11, 2025

Time: From 5:30 pm – 6:30 pm EST

Zoom Link:

- <https://us02web.zoom.us/j/86240200821?pwd=bdzAhVMKunhfdNgD5aEktKOGq7UvoK.1>
- Meeting ID: 862 4020 0821
- Passcode: 951492

Activity: Google AI Quick Draw Game

This week, CoT participants will play a Google AI Quick Draw Game in small groups, of no more than three (3) members, to test their ability to create descriptive drawings that AI can guess. This will help CoT participants understand how to help AI learn by contributing to the doodle data set.

Game Instructions:

Object of the Game: To get AI to guess all six items drawn in the picture before the time runs out.

1. Break the CoT participants into small groups of **three (3)** in each group. Groups do not have to be Project Teams this week.
2. Ensure at least one person in each group has access to a computer or tablet device.
3. Go to Google Quick Draw at: <https://quickdraw.withgoogle.com>.

Week 7: Google Quick Draw



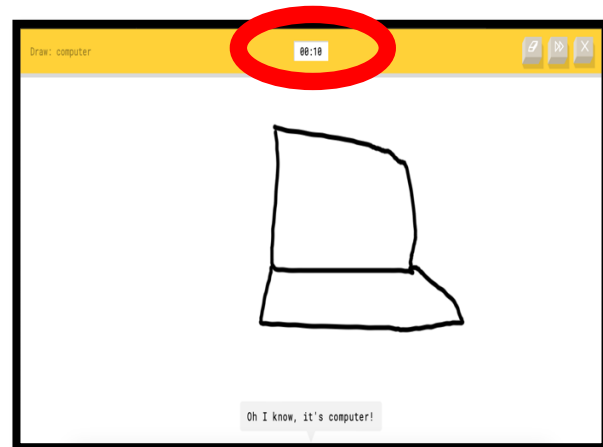
4. On the home page, Click, “**Let’s Draw!**”



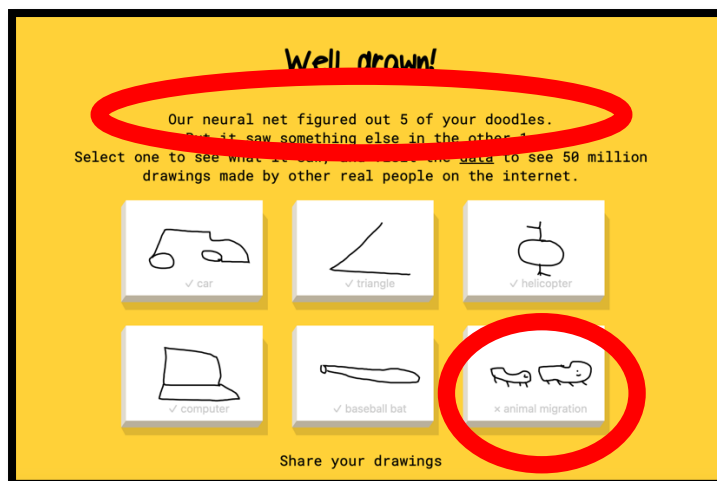
5. Each round consists of drawing six (6) items within 20 seconds and AI will try to guess what has been drawn. Use your computer mouse for the computer or your finger on a table to draw each item. When ready, click “**Got It**” and the drawing page will appear. The 20 second timer will start.



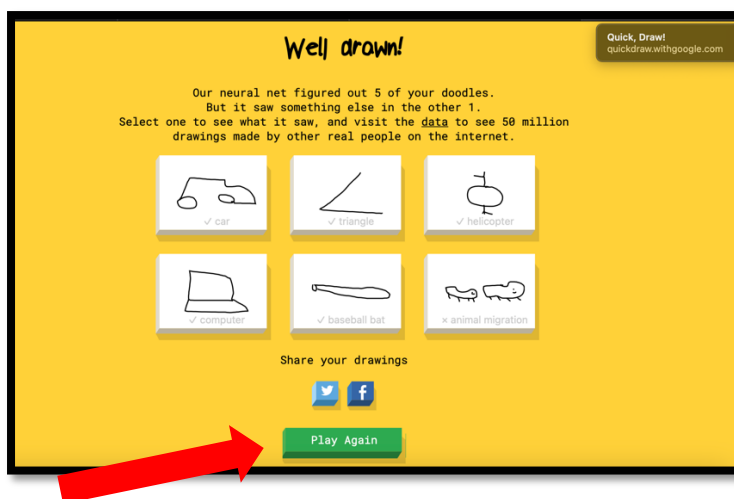
6. If AI cannot identify the player's drawing within 20 seconds, it will say **"Sorry I couldn't guess it"** it could not guess the response and the player will lose a point for that drawing.



7. The goal is to be descriptive in your drawings so AI can guess your drawing before the time runs out and to get AI to guess all six (6) drawings correct.
8. When all six drawings are complete, the player will see a summary page showing how many drawings AI was able to guess correct.



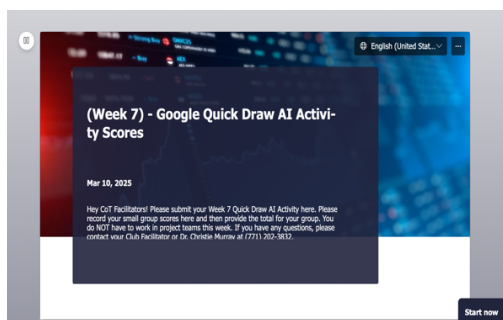
9. Each team member should have a chance to play a round and draw **six (6)** items until each group member has had a round. Click “Play Again” for the next team member to start.



10. Submit your small group's numbers that AI guessed correct on the form at:

<https://forms.office.com/r/vSVIJD2VM7>.

Week 7: Quick Draw Score Form



Wrap Up:

- Debrief Questions:
 1. How have you used AI technology in the past?
 2. What surprised you most about how AI can be used in the food industry?
 3. Would you be willing to try Not Milk?
- (Facilitators):
 1. Encourage each small group to submit the final Google Quick Draw AI Scores at: <https://forms.office.com/r/vSVIJD2VM7>.
 2. Submit Weekly Attendance at:
 - a. BGCGW Clubs: <https://bit.ly/2025CoTbgcgwWeeklyattendance>
 - b. External Organizations: <https://bit.ly/2025CoTOrgWeeklyAttendance>
 - c. Look for your club/organization name on the tabs at the bottom, add the date of your session and place an X next to each teen who attended the session.
- (Teens):
 - a. Submit the final Google Quick Draw AI Scores at: <https://forms.office.com/r/vSVIJD2VM7>.

Week 7: Quick Draw Score Form



Week 7 Session:

Duration	Activities	Facilitator	Resource(s)/ Material(s)
5 min	Intro Video	BGCGW/CoT Staff	Video Link: https://www.clubhous eatyourhouse.com/2025week7 .
5 min	Learning Moment Video: "How AI is Transforming the Food Industry"	CoT Facilitator	Video: (5:42) <ul style="list-style-type: none"> Google Link: https://drive.google.com/file/d/1dkh6gzjmy0h5ZMEL0wbb2L40NFQsxnZ/view?usp=share_link YouTube Link: https://youtu.be/T7LExSOhCNk?si=B8-UNW42ntYw2UGp
40 min	Activity: Google AI Quick Draw Game <ol style="list-style-type: none"> 1. Break the CoT participants into small groups of three (3) in each group. Groups do not have to be Project Teams this week. 2. Ensure at least one person in each group has access to a computer or tablet device. 3. Go to Google Quick Draw at: https://quickdraw.withgoogle.com. 4. Each round consists of 	CoT Facilitator	Quick Draw Link: https://quickdraw.withgoogle.com Submit the Quick Draw AI Scores at: https://forms.office.com/r/vSVIJD2VM7

	<p>drawing six (6) items within 20 seconds and AI will try to guess what has been drawn. Use your computer mouse for the computer or your finger on a table to draw each item. When ready, click “Got It” and the drawing page will appear. The 20 second timer will start.</p> <p>5. Each round consists of drawing six (6) items within 20 seconds and AI will try to guess what has been drawn. Use your computer mouse for the computer or your finger on a table to draw each item. When ready, click “Got It” and the drawing page will appear. The 20 second timer will start.</p> <p>6. The goal is to be descriptive in your drawings so AI can guess your drawing before the time runs out and to get AI to</p>		
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	<p>guess all six (6) drawings correct.</p> <p>7. When all six drawings are complete, the player will see a summary page showing how many drawings AI was able to guess correct.</p> <p>8. Each team member should have a chance to play a round and draw six (6) items until each group member has had a round. Click “Play Again” for the next team member to start.</p> <p>9. Submit your group’s numbers that AI guessed correct on the form at: https://forms.office.com/r/vSVIJD2VM7.</p>		
5 min	<p>Wrap-up</p> <ul style="list-style-type: none"> • Ask Debrief Questions • Submit Quick Draw AI Scores. • Submit weekly attendance at: <ul style="list-style-type: none"> ○ BGCGW Clubs: https://bit.ly/2025CoTbgcgwWeeklyattendance ○ External Organizations: 	CoT Facilitator	<ul style="list-style-type: none"> ○ Submit the Quick Draw AI Scores at: https://forms.office.com/r/vSVIJD2VM7

	https://bit.ly/2025CoTOrgWeeklyAttendance		
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Debrief Questions

1. How have you used AI technology in the past?
2. What surprised you most about how AI can be used in the food industry?
3. Would you be willing to try Not Milk?

Outcomes and Actions:

- Increased awareness of how AI can be used in the food industry.
- Increased awareness of machine learning.
- Submit the Quick Draw AI Scores at: <https://forms.office.com/r/vSV1JD2VM7>.
- Submit weekly attendance at:
 - BGCGW Clubs: <https://bit.ly/2025CoTbgcgwWeeklyattendance>
 - External Organizations: <https://bit.ly/2025CoTOrgWeeklyAttendance>
 - Look for your club/organization name on the tabs at the bottom, add the date of your session and place an X next to each teen who attended the session.