

Train-the-Trainer Outline | 60 Minutes

Section Topic	Duration	Description
Introduction & Overview	5 minutes	<ol style="list-style-type: none"> I. Why Coding meets Climate creates the most meaningful computer science experiences II. Our ecosystem and what it includes; Hardware, Learning Platform, Coding Tutorials
Learning Platform Overview	5 minutes	<ol style="list-style-type: none"> I. Overview of Learning Platform II. Get familiar with the lesson libraries
How to use and teach with micro:bit	10 minutes	<ol style="list-style-type: none"> I. Basic introduction to MakeCode editor II. Resources for educators new to teaching coding with the micro:bit
Hands-on Building	30 minutes	<ol style="list-style-type: none"> I. Lesson showcase including discussion on Use, Modify and Create paradigm II. Live demo of lesson delivery model including link sharing III. Physical project build (Wind Turbine or Bee Counter) IV. Coding Tutorial (Use version)
Conclusion & Q&A	10 minutes	<ol style="list-style-type: none"> I. Highlighting Green-collar jobs and the why II. Links to various resources and tips III. Q&A session

Train-the-Trainer Outline | 90 Minutes

Section Topic	Duration	Description
Introduction & Overview	5 minutes	<ul style="list-style-type: none"> I. Why Coding meets Climate creates the most meaningful computer science experiences II. Our ecosystem and what it includes; Hardware, Learning Platform, Coding Tutorials
Learning Platform Overview	5 minutes	<ul style="list-style-type: none"> III. Overview of Learning Platform IV. Get familiar with the lesson libraries
How to use and teach with micro:bit	25 minutes	<ul style="list-style-type: none"> III. Basic introduction to MakeCode editor IV. What the micro:bit can do V. Resources for educators new to teaching coding with the micro:bit
Hands-on Building	40 minutes	<ul style="list-style-type: none"> V. Lesson showcase including discussion on Use, Modify and Create paradigm. VI. Live demo of lesson delivery model including link sharing VII. Physical project build (choose elementary, middle, or school lesson) <ul style="list-style-type: none"> A. Wind Energy (Elementary) B. Sea Turtle-Safe Beach Light (Middle School) C. Vertical Farming (High School) VIII. Coding Tutorial (modify version) IX. Debrief & discuss classroom implementation
Conclusion & Q&A	15 minutes	<ul style="list-style-type: none"> IV. Highlighting Green-collar jobs and the why V. Links to various resources and tips VI. Q&A session