

# Pre-Set Webinars

## Pre-Set Webinars Offered

1. [Counting on People: Sustainability and Global Citizenship](#) K-5, All Subjects
2. [Activities for Global Citizenship in a World of 8 Billion](#) 6-12, Social Studies
3. [Connecting People and the Environment](#) 6-12, Science
4. [People and the Planet: Math/Science Integration for Earth's Sake](#) 3-8, Math & Science

## 1. Counting on People: Sustainability and Global Citizenship

K-5, All Subjects, 60 minutes

Discover interdisciplinary K-5 activities that help students think about ecology, sustainability, their place in a growing global community, and so much more. In this session, educators will engage in a predator/prey survival simulation, design a community, explore impacts on a river through an interactive story, and discuss strategies for using these activities in their own classrooms. All participants will leave with access to the full online library of K-5 lessons, *Counting on People*, which includes over 40 hands-on lesson plans and additional classroom resources.

| Activity                        | Description   |
|---------------------------------|---|
| Introduction                    | Learn about the Population Education program and discuss why population is important. Prepare for the interactive workshop format where your facilitator will model classroom activities, help you strategize your own implementation, and offer time for reflection. |
| Panther Hunt                    | Act as predatory animals in a finite area and attempt to accumulate enough food to stay alive.  |
| Our Town                        | Brainstorm the people and places that make up a community, construct an imaginary town, and then discuss how communities change when population grows.  |
| Who Polluted the River/Potomac? | Through an interactive story, experience changes to a local river over time by adding "pollutants" to a bowl of water (the "river") and then propose methods to protect the river from current and future pollution.  |
| Conclusion                      | Final discussion, reflection on how to apply content in your own educational setting, and time to answer questions. Distribute classroom materials ( <i>Counting on People</i> , K-5 online curriculum).  |

## 2. Activities for Global Citizenship in a World of 8 Billion

6-12, Social Studies, 60 minutes

Discover social studies activities for grades 6-12 that promote skills in real-world data analysis and critical thinking for global citizenship in a world of 8 billion. In this session, educators will engage with an interactive timeline, construct population pyramids, explore megacities, and discuss how they can use these activities in their own educational setting. All participants will leave with access to the full online library of K-12 lessons, *Teaching Population*, which includes more than 60 hands-on lesson plans and additional classroom resources that fit into U.S. and world history, geography, economics, civics, and global studies.

| Activity                     | Description   |
|------------------------------|---|
| Introduction                 | Learn about the Population Education program and discuss why population is important. Prepare for the interactive workshop format where your facilitator will model classroom activities, help you strategize your own implementation, and offer time for reflection. |
| World Population History     | Interactive website and video explore population growth from 1 C.E. to 2050 C.E.  |
| Mystery of the U.S. Pyramids | Construct population pyramids for the U.S. at four points in history, today, and the 2050 projection, discussing changes in the country's population over a 170-year span.  |
| Tale of 3 Megacities         | Analyze data and images about three megacities, identifying challenges and benefits of growing urbanization, and then collaborate in small groups to compare and contrast social, political, economic, and environmental issues across the cities.                    |
| Conclusion                   | Final discussion, reflection on how to apply content in your own educational setting, and time to answer questions. Distribute classroom materials ( <i>Teaching Population</i> , K-12 online curriculum).  |

### 3. Connecting People and the Environment

6-12, Science, 60 minutes

Discover science activities for grades 6-12 that cover a range of environmental topics including natural resource use trends, population ecology, and building sustainable communities. In this interactive session, educators will simulate managing a renewable resource, graph and analyze population data to identify species, and design an investigation of sustainability in their own communities, all while discussing strategies for using these activities in their own classrooms. All participants will leave with access to the full online library of K-12 lessons, *Teaching Population*, which includes more than 60 hands-on lesson plans and additional classroom resources that are great for ecology, biology, earth and environmental science, and agricultural ed.

| Activity                        | Description   |
|---------------------------------|---|
| Introduction                    | Learn about the Population Education program and discuss why population is important. Prepare for the interactive workshop format where your facilitator will model classroom activities, help you strategize your own implementation, and offer time for reflection. |
| One for All                     | In a simulation game, draw renewable resources from a common pool and determine short-term consumption strategies to preserve a long-term supply.   |
| Pop Ecology Files               | Graph and interpret population growth curves for six mystery species and humans.  |
| In Search of a Sustainable Life | Develop an index of the ten factors identified as most important to a sustainable community and develop models for measuring those factors.   |
| Conclusion                      | Final discussion, reflection on how to apply content in your own educational setting, and time to answer questions. Distribute classroom materials ( <i>Teaching Population</i> , K-12 online curriculum).  |

## 4. People and the Planet: Math/Science Integration for Earth's Sake

3-8, Math & Science, 60 minutes

Discover real-world math and science applications for upper elementary and middle school students in this interactive session. Educators will engage in simulations and modeling activities for estimating wildlife populations, calculating the percentage of land available for food production, and understanding supply and demand of our natural resources. All participants will leave with access to the full online library of K-12 lessons, *Teaching Population*, which includes more than 60 hands-on lesson plans and additional classroom resources.

| Activity  | Description   |
|---|---|
| Introduction  | Learn about the Population Education program and discuss why population is important. Prepare for the interactive workshop format where your facilitator will model classroom activities, help you strategize your own implementation, and offer time for reflection. |
| How Many Fish in the Sea<br>(Elementary)<br>or<br>Everything Counts<br>(Middle) | Estimate a fish population by sampling.<br><br>Use three techniques to estimate the population of a threatened mouse that would be impacted by new construction.  |
| Earth: Apple of Our Eye   | A demonstration of worldwide land distribution - the instructor slices an apple, acting as a model for the Earth, to show the percentage of land available for agriculture.   |
| Timber  | In this role-playing simulation, discover what happens to a forest when the demand for wood is greater than the supply and then graph their results.  |
| Conclusion  | Final discussion, reflection on how to apply content in your own educational setting and time to answer questions. Distribute classroom materials ( <i>Teaching Population</i> , K-12 online curriculum).   |