



The Climate Action Toolkit (C.A.T)

Are you an Educator?

Here's how to use this C.A.T. with youth!

Coordinates with C.A.T.:

Seed Bomb

What you need to know:

Our local ecosystems are a complex web of species that have co-evolved over millennia to form balanced energy cycles. This workshop introduces participants to the concepts of biodiversity, native species, non-native species, and invasive species. Participants will make and take a native wildflower seed bomb which they can plant in their own garden to support their local ecosystem.

Why is this important for climate change?

Empowering youth voices and action

- Invasive species usually arrive due to human actions, often unintentionally.
- With higher-than-average temperatures becoming more common, some invasive plants and animals are moving into existing ecosystems and thriving where they may not have been able to before. Changing weather patterns due to climate change wreak havoc on the natural balance of ecosystems and leave native species hanging in the balance.
- There are many impacts of invasive species. Because they upset the balance of the natural habitat and can spread quickly and aggressively, they put many native species at risk. This change in the natural balance can disrupt agricultural practices, life cycles, food webs, and livelihoods that depend on specific species.

How can I incorporate this toolkit into my curriculum?

- This toolkit fits perfectly within TCI's [Invasive Species Learning Lab](#); it is designed to support student learning.

- **Note:** This toolkit can be used as a differentiated activity and/or to support struggling students

Extended-learning opportunities

- Geography: The more we travel and the more we globalize our economies, the more invasive species can hitchhike to other places. Students can research case studies of human transportation introducing invasive species across the globe.
- Economics and civics: Have students research the cost of invasive species management for local economies.

Toolkit procedures

- A list of materials and a step-by-step procedure with photos is available [at this link](#).

What actions can you take now?

- Encourage students to gift seed bombs to family and neighbors. Create cards to accompany seed bombs that educate others about the importance of native plants
- Have students talk to your school about starting a native plant garden or landscaping with native plants

Want to share your “Story of Change”?

- Share how this toolkit impacted you, your students, and/or community to inspire others to take meaningful climate action in their communities. Visit our [Stories of Change](#) webpage to learn more about how to submit your story! You can also email our team with questions at programs@theclimateinitiative.org.