



EnviroAtlas Update Bulletin

Keep up with the latest in EnviroAtlas news

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- Hot off the presses! | [The Solutions Journal, EPA Science Matters](#)

Did you know that EnviroAtlas has Educational Materials?



EnviroAtlas educational modules are available for all grades, K-16, and provide students with hands-on lessons that use our interactive tools.

Recently available lessons:

- Grades 4-6: [***Introduction to Ecosystem Services***](#)
- Grades 9-College: [***Building a Greenway: Case Study***](#)

Other lessons:

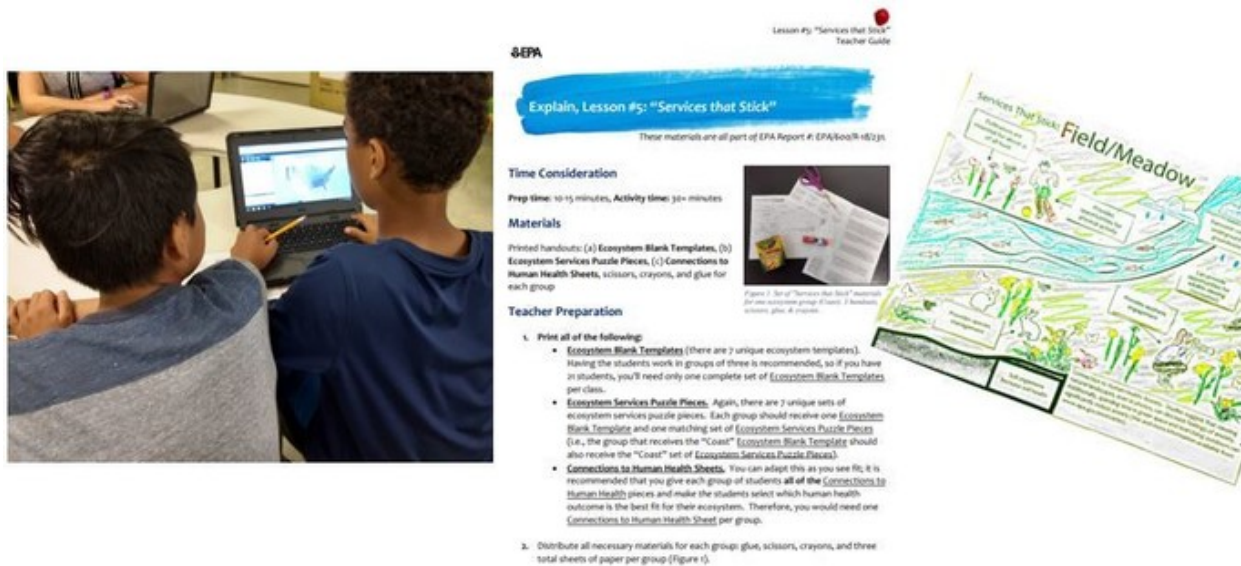
- Grades K-6: ***Exploring Your Watershed***
- Grades 4-College: ***Connecting Ecosystems & Human Health***

Six new mini-lessons available

EnviroAtlas most recently released a suite of six mini-lessons on the concept of ecosystem services. All of the lessons are designed to be completed in 30 minutes or less and can be done independently or as a unit.

If you conduct all six mini-lessons, students will engage with the outdoors multiple times, collect data, use interactive technology from the US EPA, complete art projects, present their results, and think critically about high-level analogies to ecosystems.

[Access all of the new ecosystem services lessons >>](#)



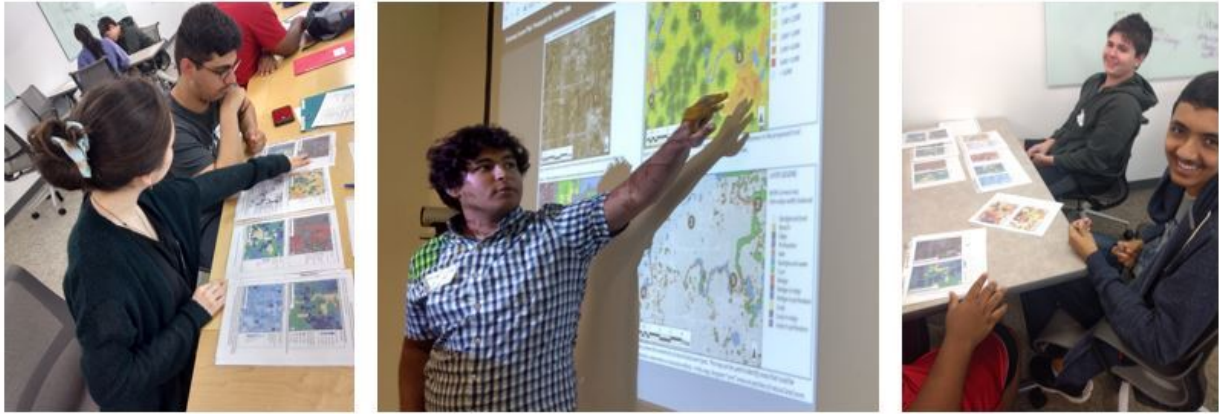
The image is a composite. On the left, a photograph shows two young students looking at a laptop screen. On the right, a page from a teacher guide titled 'Lesson #5: "Services that Stick" Teacher Guide' is displayed. The guide includes a blue header with the text 'Explain, Lesson #5: "Services that Stick"'. Below this, it states 'These materials are all part of EPA Report #1: EPA/600/R-16/235'. The guide is divided into sections: 'Time Consideration' (Prep time: 10-15 minutes, Activity time: 30+ minutes), 'Materials' (Printed handouts: (A) Ecosystem Blank Templates, (B) Ecosystem Services Puzzle Pieces, (C) Connections to Human Health Sheets, scissors, crayons, and glue for each group), and 'Teacher Preparation'. The preparation section has two main steps: 1. 'Print all of the following:' with sub-points for 'Ecosystem Blank Templates' (7 unique templates, 21 per class), 'Ecosystem Services Puzzle Pieces' (2 unique sets of puzzle pieces, 21 per class), and 'Connections to Human Health Sheets' (1 sheet per group). 2. 'Distribute all necessary materials for each group: glue, scissors, crayons, and three total sheets of paper per group (Figure 1)'. To the right of the text is a large, colorful illustration of a 'Field/Meadow' ecosystem with various plants, animals, and human figures, representing the 'Services that Stick' concept.

4th and 5th grade students explore the Interactive Map during the EnviroAtlas Webquest, and examples of the lesson "Services that Stick."

Greenway Case Study Updates

This interdisciplinary learning module promotes student discovery using available maps and data, engaging students to be collaborative decision-makers. It has been popular in high school and college classrooms and was recently updated with improvements to make it entirely available online.

- **All materials have been updated with new maps**
- **All maps are now available online** in an EnviroAtlas Featured Collection, so the entire lesson can easily be done completely online
- [Access the Greenway Lesson >>](#)



High school students participating in the "Building a Greenway: Case Study" activity

[Explore all available EnviroAtlas Educational materials >>](#)

NSTA STEM Forum & Expo, July 24-26, San Francisco, CA

Are you going to the NSTA STEM Forum & Expo? We'd love to see you there!

Here's what teachers have said about us!

- *"Fantastic lesson plans, really well explained & very engaging"*
- *"I had no idea EPA had this data that could be used for teaching students"*



Come see us at the NSTA STEM Forum & Expo!
Friday, July 26th
9:30-10:30am: Teaching Ecosystems? Blend Interactive Technology, Hands-On Activities, along with Going Outdoors, Moscone Center West, 3001
1:30-2:30pm: Teaching with Technology: Using EPA's EnviroAtlas in the Classroom to Empower Tomorrow's Decision-Makers, Moscone Center West, 3018

Teachers at the US EPA workshop for K-12 educators as part of a collaboration with STEM in the Park

Hot off the presses!

The EnviroAtlas educational materials were recently featured in the following publications.

- [The Solutions Journal](#) (May 2019)
- [EPA Science Matters article](#), condensed from AWMA article (February 2019)

Today's students are tomorrow's decision-makers, and now is the time to empower them with the skills, resources, and environmental literacy needed to meet the challenges ahead.



Quote from EnviroAtlas article featured in *The Solutions Journal* (May 2019) and image of teachers during a training workshop (March 2019).

Lesson demo videos available online

The EnviroAtlas team made short demo videos for three of the available lessons so that educators can get a glimpse of them in action. Check them out from the links below:

- [Overview video of all lessons](#)
- [Exploring Your Watershed \(grades K-6\)](#)
- [Connecting Ecosystems & Human Health \(grades 4-16\)](#)
- [Building a Greenway: Case Study \(grades 9-16\)](#)



[Explore all available EnviroAtlas Educational materials >>](#)

EnviroAtlas provides geospatial data, easy-to-use tools, and other resources related to ecosystem services, their stressors, and human health.