

Special Edition | EnviroAtlas Educational Materials | May 2018



## EnviroAtlas Update Bulletin

Keep up with the latest in EnviroAtlas news

- K-12+ EnviroAtlas Educational Materials | [Now available](#)
- EnviroAtlas Educational Materials Workshop | Thursday, June 21 9-3 ET, NC | [Register here](#)
- Watersheds Lesson Plan, grades K-6 | [Learn more](#)
- Eco-Health Lesson Plan, grades 4-12+ | [Learn more](#)
- Greenway Case Study Lesson Plan, grades 9-12+ | [Learn more](#)
- #EPAEnviroAtlasEd at the NSTA Annual Conference in Atlanta, GA, March 2018

### Educational Materials Now Available!



Are you an educator looking for **new, hands-on, technology-driven STEM resources** to use with your students? Do you want your students to **make arguments from evidence, collaborate with each other, and spend time outside**? Tested in over 30 classrooms and with 1,500+ participants, the new EnviroAtlas print-and-go materials are now online and ready for you to use!

All of the educational materials are aligned with both the Next Generation Science Standards as well as individual State science educational standards. All aligned standards can be found in each teacher handout.

[Access the EnviroAtlas Educational Curriculum >>](#)

## **Experience the EnviroAtlas Lesson Plans in Action!**

**Join us for an in-person teacher workshop: June 21st, 2018**

**9:00 AM to 3:00 PM ET**

**Durham, North Carolina**



Are you a K-12 educator that lives in the Triangle, NC area? Join us as we demonstrate the EnviroAtlas Educational Materials!

**Where:** U.S. Environmental Protection Agency in Durham, NC

**When:** June 21st, 2018 from 9:00 am - 3:00 pm

This workshop will introduce teachers to a [K-12 educational curriculum](#) that has been designed for use in the classroom with the tools in EnviroAtlas. The workshop will include hands-on activities and interactive demonstrations of the EnviroAtlas educational materials and will also highlight lightning talks from EPA scientists. Talk topics include using maps to explore vector-borne diseases, invasive species, citizen science, and environmental justice. The workshop will count towards **6 hours of Criteria II NCEE credits** and/or **6 hours/0.6 CEUs towards NCDPI Licensure renewal**.

Space is limited. Please register using [this EventBrite link](#). Questions? Email [daniel.jessica@epa.gov](mailto:daniel.jessica@epa.gov).

## Exploring Your Watershed | Grades K-6



The K-6 interactive lesson plan, "[Exploring Your Watershed](#)," encourages students to explore their local watershed through a hands-on model, an outdoor session with maps, and an EnviroAtlas web-mapping session that can be completed with or without internet.

"Exploring Your Watershed" also contains handouts for ESL classrooms; Spanish language handouts are coming soon.

[Access the lesson plan >>](#)

## Connecting Ecosystems and Human Health | Grades 4-12+

The "[Connecting Ecosystems and Human Health](#)" lesson plan introduces students to the connections between ecosystems and human health by using the interactive [Eco-Health Relationship Browser](#) and a hands-on activity (shown right) that can be conducted without internet.



The module includes differentiated materials and resources for students in 4th grade through undergraduate levels.

[Access the lesson plan >>](#)

## Building a Greenway: Case Study | Grades 9-12+



Figure 3 shows the estimated walking distance to a park entrance in the proposed trail network area. Waterbodies were identified and are shown in light blue, with streams in dark blue.

The "[Building a Greenway: Case Study](#)" lesson plan is an interdisciplinary learning module that promotes student discovery using available maps and data, engaging students to be collaborative decision-makers. This case study is intended for secondary education, undergraduate, and community education/engagement programs. It can be conducted without internet by printing the maps ahead of time.

[Access the lesson plan >>](#)



## Supporting Teachers: EnviroAtlas at the NSTA Annual Conference, March 2018

EnviroAtlas was recently presented in Atlanta, Georgia to educators at the National Science Teachers Association Annual Conference in March.

### What teachers are saying about the #EPAEnviroAtlasEd materials...

- "Promotes **critical thinking**, **uses actual data** and students can ask many types of environmental questions and explore the tool in search of answers." - *University of Virginia professor*
- "I'm excited that these educational materials are **free and easily available** to students, teachers, and schools. Best of all, the educational resources are also aligned with the State Science Standards." - *Delaine Machado, K-5 ESL teacher from North Carolina*
- "The activities were **very versatile and easily adapted for students in kindergarten to understand as well as complex enough for older students.**" - *Michele Eisenberg, K-5 science teacher*



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Are you using EnviroAtlas tools and resources for education? Have questions or comments for the EnviroAtlas team? [We'd love to hear from you!](#)

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