OurTrees.Live

What is OurTrees.Live?

OurTrees.Live is a proprietary, web-based technology platform that combines tree-growth sensors, access to live data and relevant lesson materials for students and teachers interested in environmental science. Students have the unique opportunity to conduct real scientific research in their own community.

Schools typically purchase a package that includes unlimited access to the website and equipment to be installed on a tree. The tree can be on school grounds or provided by a sponsor at an offsite location. Students can visit OurTrees.Live to monitor their tree's growth and compare with other trees on the platform.

What is a dendrometer and why is it important?

The tree sensor, known as the point-dendrometer, is an important tool used by scientists to understand the environmental factors that influence tree growth. This electronic sensor measures micrometer-level changes in tree stem size. Students can use this data to understand the impact of environmental factors such as precipitation, temperature, ground cover type and others. Trees also play a crucial role in climate change, in part because they remove carbon from the atmosphere and store it in their woody parts. With a point-dendrometer, students can contribute to our understanding of the factors that impact a tree's ability to perform this important task.

Requirements

To best engage in the OurTrees.Live community, schools need access to a tree within range of an available WiFi access point. The most ideal scenario is a tree located on school grounds in a low-traffic area. The tree would have a trunk diameter of at least 10cm. If no tree is available on school grounds, the OurTrees.Live team will work with the school to find a sponsor, which could be a park, a nature preserve or a private party.

Data logger and dendrometer mounted on university tree.

What is included in the All-School Package?

- ✔ Unlimited access to the OurTrees.Live website.
- ✔ Live environmental data and standards-aligned lesson materials for grades K-12.
- ✔ 1 WiFi enabled data logger with solar panel and point-dendrometer tree sensor.
- ✔ Technical support for both website and sensor installation.
- ✔ Access to our community of educators, mentors and scientists.
- ✔ "Train-the-Trainers" Remote Sessions

Pricing

First Year:	$3350
Annual Renewal:	$2250

What are the next steps? For more information on the program, teachers can contact the OurTrees.Live team at info@ourtrees.live or learn more at https://ourtrees.live/.