# Wisconsin Center for Environmental Education



Created in 1990, the WCEE envisions an actively engaged, educated population who create and maintain sustainable human and natural communities.

Mission: Provide leadership and resources to advance education for sustainable human and natural communities.







#### LEAF: Wisconsin's K-12 Forestry Education Program

#### What does LEAF do?

 LEAF connects formal and nonformal educators in Wisconsin with quality forestry education materials

#### What is LEAF?

 Partnership between the WI DNR-Division of Forestry and the WCEE at UW-Stevens Point.

#### ➤ What is LEAF's Impact?

- 310,000+ Wisconsin students have been exposed to forestry education
- A total of 426 school forests are registered throughout the state
- Over 6,000 teachers have been trained to use LEAF materials



#### LEAF: Wisconsin's K-12 Forestry Education Program

#### What LEAF Offers

- Professional Development for Educators
  - School staff in-service trainings
  - Workshops
- Curriculum Materials
  - Free to download
  - Grade-specific curricula tied to educational standards
- Hands-on forestry education kits
  - Free to borrow from statewide locations
  - Contain real forestry tools and suggestions for connecting to curriculum
- Support for Outdoor Classrooms
  - School Forests
  - Project Learning Tree (PLT)
- > Visit www.leafprogram.org for more info

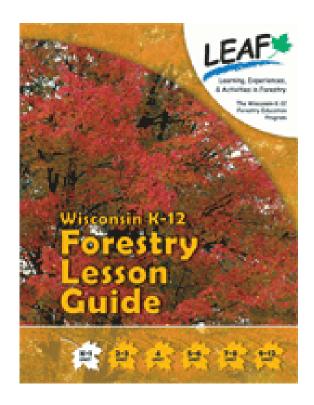


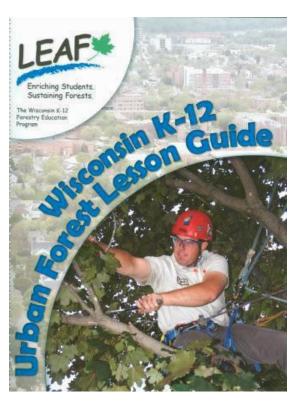


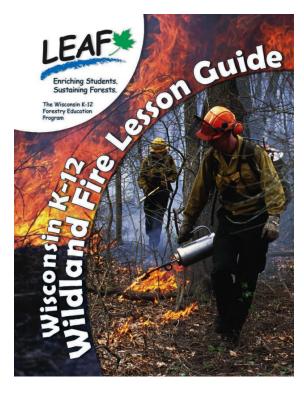


### Resources for educators to use...

Numerous resources and tools that support forestry education...







## **LEAF Curriculum and Lessons**

## Trunks and Kits



- Ready to go

- Most can ship (share shipping costs)



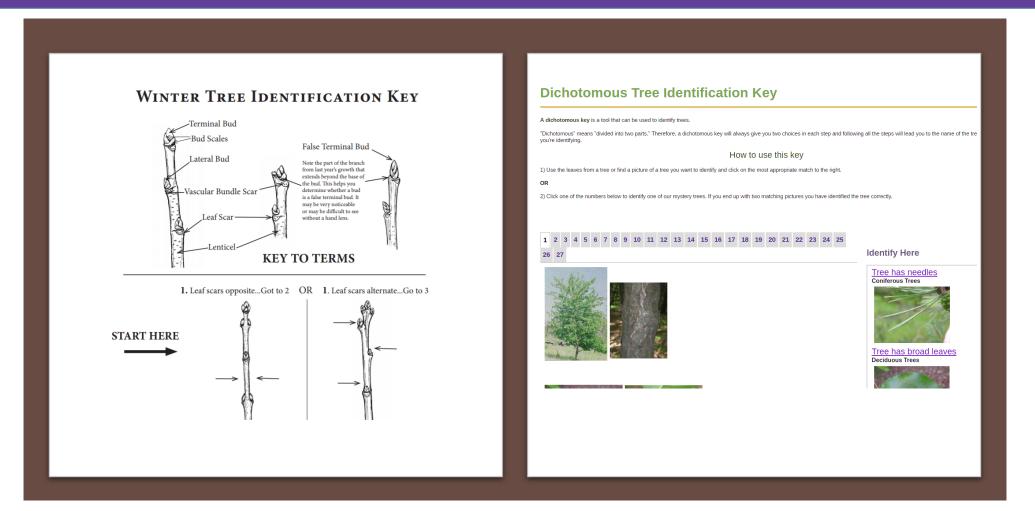
Forestry Kit

(11 kits each throughout the state)

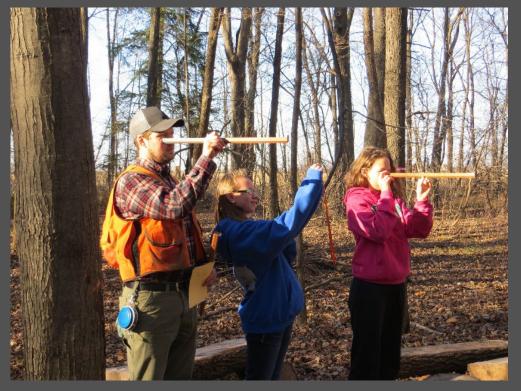


Wildland Fire Kit





## Tree Identification







Forest is a catalyst and context for learning

... for all ages and subjects



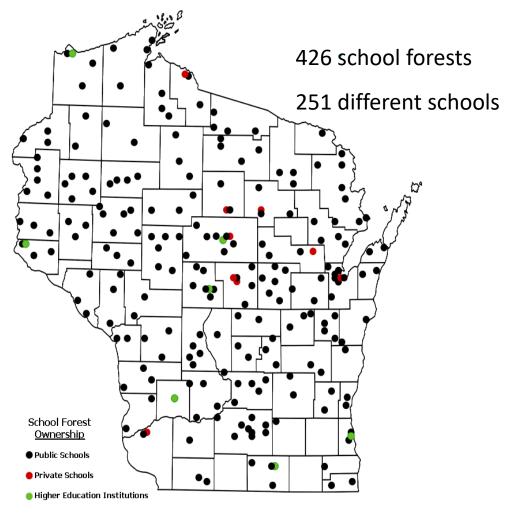
## The WI School Forest Program





#### A school forest is...

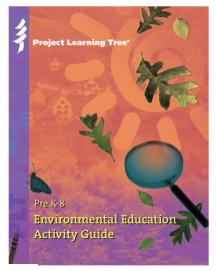
- land registered through state Community Forest Program *Wisconsin State Statute 28.20 Community forests.*
- owned or controlled by a school and used for environmental education and natural resource management



## **Project Learning Tree (PLT)**

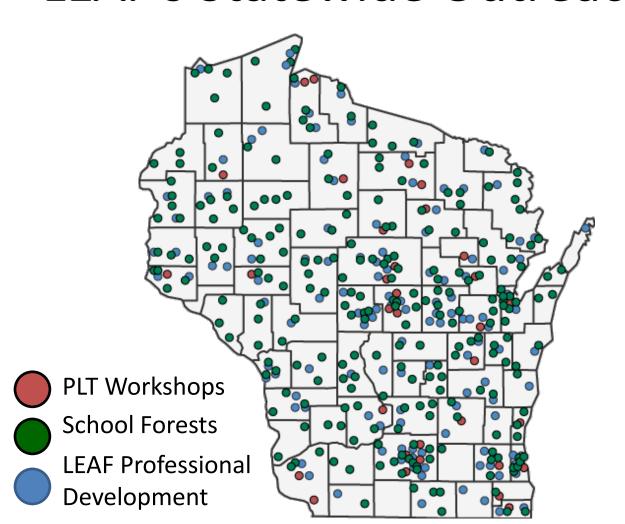
PLT is a part of Sustainable Forestry Initiative Inc. (SFI) ....LEAF coordinates the program for Wisconsin.







## LEAF's Statewide Outreach















- Communicate by sharing resources, info, opportunities
- Network by connecting educators and forestry resources
- Provide consultation services for educators seeking answers to forestry questions
- Develop partnerships and relationships with educators and the forestry community

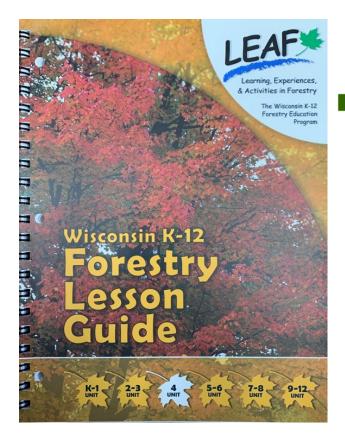
## Current Project Highlights...

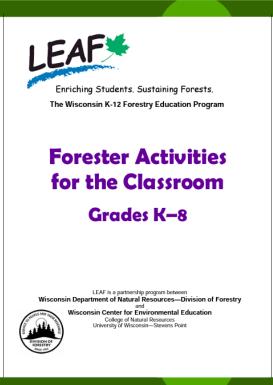
LEAF's HS Forestry Class
Scope and Sequence
with Lessons





## Current Project Highlights...





#### **Updating LEAF Curriculum**

- Updated K/1, 2/3, 5/6, 7/8, 9-12
   lesson guides
- 4<sup>th</sup> Grade American Indian and teacher work groups
- Forester Lesson Guide

## Current Project Highlights...

### Wisconsin Forestry Workforce Development Initiative



- Partnership with Wisconsin Forestry Center (WFC)
- Establish a forestry career pathway program consisting of applied high school curriculums in forestry and immersive training programs.
- WEDC grant— WFC would appreciate letters of support from others in the forestry community
- Les Werner or Haley Frater

## Applied Forestry High School Curriculum

	Required Training Modules					
	Tree Identification	Forest Health	Forest Products	Forestry Equipment	Chainsaw Safety and Tree Felling*	Skills Camp**
Content Areas	General Tree Anatomy/Structure	General forest health	Types of forest products and	Common equipment and their purpose	Chainsaw mechanics	Equipment operation
	Dichotomous key use	Invasive species identification and	services	General safety,	Chainsaw maintenance	Tree felling
	Tree identification by:	management/control	Primary and secondary wood	inspection, and operation	Chainsaw safety	Tree identification
	leaf, twig, and form	Forest diseases identification and	products		Directional Felling**	Forest health prescription writing
	General silvics for common species	management/control	Types of lumber		Mechanical	Milling and drying
		Forest pest identification and	Wood identification		advantage**	Log and lumber
		management/control	Log grading			grading
		Tree risk identification and mitigation	Lumber grading			
* Certificate beari	ng	and midgation				

<sup>\*\*</sup>Off-site training by program staff

## Key steps to move forward with HS Students:

#### 1. Administration Approval

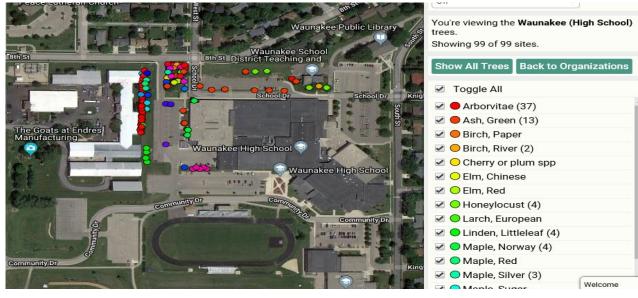
- State credential piece: If add as a new component of curriculum, need state credential
  - DWD industry-backed certificate
  - Transcripted credit
- 2. Equipment
- 3. Professional Development



## Current Projects...



Forest Products



- Urban Forestry –
- Community Tree Map

## Partners and Networking....

#### Other projects that involve partners.....

- SAF Wheels to Woods grant/DEI initiative
- Natural Resources Foundation School Forest Field Trips
- WWOA articles
- School Forest Database updates
- FFA Forestry Career Development Event statewide contest
- Forest Products and Urban Forestry
- Forest Exploration Center education support
- Forest History Association
- Wisconsin Society of Science Teachers
- Wisconsin Assoc. of Agriculture Educators



### Questions?

## www.leafprogram.org



