

K-12 Curricula

The Landscape Change Program has multiple curricular pieces developed by local teachers. These include lesson plans and lesson materials.

Lesson plans from Local Teachers

Science	Language	Social Science
"Geo-Snapshots" Geology Grades 4-5 by Claire Draper	Before and After Stories Storyboards Grades 4 + by Alison Novak	Photo Detectives Town History Grades 1-2 by Janet Bellavance
Reading Rivers Over Time Geology Grades 3-6 by Matt Dubel	Our Changing Community Conducting Research Grades K-4 by Pat O'Brien	There's More Than One Way to View a Photo Photo Interpretation Grades 3-4 by Marybeth Morrissey
Identifying Landforms Physical Geography & Technology Grades 3-4 by Tim Bourne	"Sense" of Place Sensory Language Grades 6-8 by Sandra Fary	What's the DAM Project People's Impact Grades 6-8 by Tim Bourne
Then and Now...and in the Future Resources and Sustainability Grades 7-8 by Gabriel Hamilton	I See Dead People (and So Much More) Digital Stories Grades 5-8 by Debra McConnell	Transportation and Change in Williston Local History Grades 5-8 by Richard Allen
Dams, Logging, Erosion...Oh My!! Watersheds Grades 9-12 by Brian Slopey	School Daze Gazette: Schools Then and Now Newspaper Grades 9-12 by Shelley Snyder	Time Travel Local History & Lifestyles Grades 6-12 by David Schoales
Finding the Forest through the Trees Forest Succession Grades 10-12, Alternative Education by Helen MacAndrews	Where Am I? Anthology of Place Grades 9-12 by Becky Ebel	What Have We Here? Artifacts Grades 9-12 by George Olson
Rocks, Redox, and Remediation Mining in Vermont Grades 9-12 by Abby Hood		"It Takes an Image of a Village:" History Guiding the Future Vermont Sustainability Grades 7-12 by Scott Evan Beckwith

Lesson Materials - These are resources for each of the individual lesson plans from the unit above

- Introductory Materials for students
 - Final Assignment Handout (This is a handout detailing step by step the process of taking historic/current photo pairs)
 - Latitude and Longitude Help sheet
 - Location Form (A form for students to fill out while gathering photos to ensure that they've gathered all the correct metadata)
- Lesson #1: Introduction to Landscape Change Unit
 - Introductory Slideshow (Introduces the Landscape Change Project)
 - Introductory Slideshow (Introduces the Landscape Change Project)
- Lesson #2: How can we use technology to infer landscape history?
 - Worksheet: Practice using GPS, Digital Camera, and data transfer software
- Lesson #3: How has Vermont's glacial history affected where cows live? (Vermont's Geologic History)
 - Map of Glacial Lakes
 - Diagram of cross sections of major movements in Tectonic Plates
 - PowerPoint Slideshow of Vermont's History of Plate Tectonic Movement
 - View Plate Tectonics Slideshow
- Lesson #4: How has Vermont's physical environment affected its cultural history? (VT's Settlement History)
 - Photo set of periods in VT Settlement History
- Lesson #5: How has Vermont's cultural history affected its physical environment?
 - Photo set of impacts associated with VT Settlement History
 - Diagram showing time periods of different Native American weapon points
 - PowerPoint slideshow showing the History of Vermont's Forests
 - View History of the Vermont Forest Slideshow
- Lesson #6: How do we interpret historic images and aerial photos? (This set of Aerial Photos of Mt. Mansfield Summit shows the



reforestation and ski area development that has occurred since 1942.)

- Mt. Mansfield Summit Aerial Photo 1942
- Mt. Mansfield Summit Aerial Photo 1962
- Mt. Mansfield Summit Aerial Photo 1974
- Mt. Mansfield Summit Aerial Photo 1988
- Mt. Mansfield Summit Aerial Photo 1999
- Mt. Mansfield Physical Geography Slideshow (Maps of Soils, Bedrock, Topography, Land Use, and Drainages)
- Go to Terraserver on out links page to see and print aerial photos of anywhere in the U.S.
- Lesson #7: Field Walk – What evidence of landscape change can we find in our nearby forests?
 - Stonewalls and Cellarholes excerpts