

Elementary Curriculum

1st Grade (Fall):

Curriculum: Insect Field Trip to Southworth Park (fall)
Plans: **Plan again for Fall 2012 (September)**

2nd Grade Plant & Weather Unit (Fall / Spring)

Curriculum Fall: Seed field trip to CRT (WES & SME);
Spring: Field trip to Mountain School (Vershire) to view sugarhouse and sugarbush to examine trees and sugaring operation on trail
Plans: **Revise Seed field trip with teachers for Fall 2012**
Sugarhouse field trip for March; 2012 with seniors (in-class and field trip)

3rd Grade Rivers & Erosion (Fall) / Amphibians (Spring)

Curriculum: Fall: River field trips x2
Spring – Amphibians, Adaptations
Locations along the trail (Glen's Falls, Orford Ponds); nature's response to spring; amphibians
Environmental parameters, vegetation, amphibians (identification), environmental concerns
In-class time followed by field-trip to site(s)
Plans: **Fall field trips and in-class earlier for 2012? Revise worksheets with teachers**
Spring Field Trips for April/May 2012 for Amphibians

4th Grade Geography / Settlement Unit (Spring)

Curriculum: Combined 4th grade field trip to local Historical Society and walk along CRT
Plans: Assist with Fall hike to Palisades;
Spring: Geography and Settlement Patterns
Field trips and Hist. Soc. visits for April to W. Fairlee and Fairlee / Orford
Working on Vershire field trip – Ely Mine
Incorporate New GPS receivers for curriculum and field trip
Use the Encountering History site (<http://www.rivendelltrailshistory.org>) and CRT website

5th Grade (Winter)

Curriculum: Winter Hike - safety and winter survival, emergencies
Plans: **Planning for February 2012 field-trip to Middlebrook lean-to**
Use of GPS receivers with Winter Safety

6th Grade Ecosystem / Forest / Trail Unit

Curriculum: Ecosystem / Forest Studies; field trip and in-class (ecosystems)
Curriculum unit focusing on ecosystems and the trail
Geographic Information Systems (GIS) investigations, comparisons to regional / state areas
Plans: **Forest Ecology hike / activities to Bald Top in November 2012**
Revise with teachers to avoid schedule conflict with hunting season as in 2011
Other: **GIS Day activities in November 2012?**
Spring activity? Investigate connections with CRREL hydro activity – local mill sites?
Incorporate GPS activities into curriculum with online mapping

Academy Curriculum

7th / 8th Grade Geographic Information Systems (GIS) & Global Positioning Systems(GPS) Instruction

- Curriculum: Science and Math investigations using GIS & GPS applications;
Plans: **7th / 8th grade winter survival hikes and in-class GPS and GIS discussion**
Introduction of completed TTEC curriculum at Mount Cube (Science / Math)
http://crossrivendelltrail.org/TTEC_Curriculum_Development_ECOSYSTEMS-web.pdf
Other: Possible curriculum linkages to history and 4th grade curriculum;

High-School, High-School Science

- Curriculum: Environmental / Agriculture science, nutrient cycling (chemistry), geology on the trail
Plans: **2-years of Agricultural Ecology (Forestry) on CRT in West Fairlee (Fall);**
Focus on examination and long-term database of succession on this section of the CRT
Creation of interpretive trail (forest succession);
What are the curriculum plans for 2012-2013?
Other: Investigate possible community interest in forestry on the ROCC (Orford);

High-School Environmental Literature Course, Spring 2011

- Curriculum: Environmental Literature on the trail, Cara Lovell
Plans: **reading landscapes, journaling, ecology and recreation display's & brochures, website**
Other: will develop curriculum and explore locations moving into 4th quarter
kiosk displays, website, brochures, Mount Cube kioks panel? Britton property interpretive trail signs?

TTEC Curriculum

- Completed Trail to Every Classroom (TTEC) Professional Development Workshops Series with Stephen Johnson and Richard Steckler;
Focus on place-based, service learning, Appalachian Trail - direct link to CRT and curriculum development;
Completed December 2011; Working with R. Steckler for implementation 2011-2012;

Community Service

- Plans: Recruit students who need community service hours for specific projects (ex. trail clearing, kiosk work, display materials, defined community / trail activity) outside of school on specific days, set dates for SPRING 2012;
Other Community related activities, best organized with HS students and community service hours;

Other

All School Hikes

Plans: **Continue WES hike; possible SME hike on CRT;
Re-establish Middle School Hikes, improved curriculum and education linkages;
Follow-up activities hikes with GIS Day activities;
Approach HS student council about class hikes for SPRING via RTA Student reps**

CRT / RTA Website Updates (Education / RISD)

Plans: **Continue to add content under Education section
(<http://crossrivendelltrail.org/education.htm>)
Inservice Opportunities?**

Coordination of RISD Trail Crew Grant Materials

Plans: Submit 2012 VT RTP Grant (RISD) for trail work (Fairlee?);
Finish / Submit Final Report for 2011 VT RTP Grant (RISD) for trail work in West Fairlee;
QUES: can student(s) work to design trailhead graphic for Mt Cube?

School Displays

Alternative: **Displays up at WES, SME, and RA – revisions needed;
Activities with students are “presented” on the map as they occur during the year;
Present using the website as “Where We Learn on the CRT”;**

Project / Grant Ideas

CRT Atlas: Online, digital atlas along the trail where educational activities and related community projects
Example: water resources, history, forest types → monitoring, documentation
Building of an online spatial database of information that displays information for the the variety
of ecosystems and human interactions found along the CRT;

Geocache: **Education geocaching along the trail;
Review previous demo with 6th grade and WES on school hike;**
Students build boxes containing information about the trail (*ex.* History, plants, etc) and hide
them along the trail → post on website with coordinates (GPS) for people to search and find;
Check with landowners first;

GPS receivers: Set-up new GPS receivers (x5)
Develop instructional materials for GPS use;
Provide training materials and easy to use technological solutions for teachers;

Community: **Ongoing work with all towns;**
Discussions with town Conservation Commissions in towns;

RISD / CRT Curriculum Integration

Notes: Continued review of RISD continuum files for math, science, social studies and technology
Assessment: Elementary → address 1st grade and 5th grade in coming year
Middle School → build on programs and new opportunities in 2012-2013
High School → how to foster connections with HS teachers / students (see above)

GOALS: “Coordinator’s primary responsibility is to collaborate with teachers to design curriculum units.”
Assist teachers developing / expanding curriculum using the trail and technical assistance