



Climate Activities in Jefferson County

“Going **GREEN** for 3-17-16”

Welcome Presenters!

- PT Marine Science Center - Betsy Carlson
- Green Sanctuary Committee - QUUF (Kees Kolff)
- Jefferson Land Trust - Caroline Robertson
- Jefferson County Food System Council - Judy Alexander
- Jeff CO MRC and WSU Extension Water Programs - Cheryl Lowe
- PT/Jeff Co Climate Action Committee (Deb Stinson)
- Students For Sustainability (TBD)
- L2020:
 - climate - Cindy Jayne
 - citizens for local food - Sidonie Wilson
 - beyond waste - Lisa Crosby
 - energy action group - Larry Dennison
 - resiliency of heart - Polly Thurston
- North Olympic Peninsula Resource Conservation and Development (Cindy Jayne representing)
- Recyclery- Kees Kolff
- Peace and Social Concerns Working Group - Port Townsend Friends Meeting - Tom Butts



PORT TOWNSEND
MARINE SCIENCE CENTER
AT FORT WORDEN STATE PARK

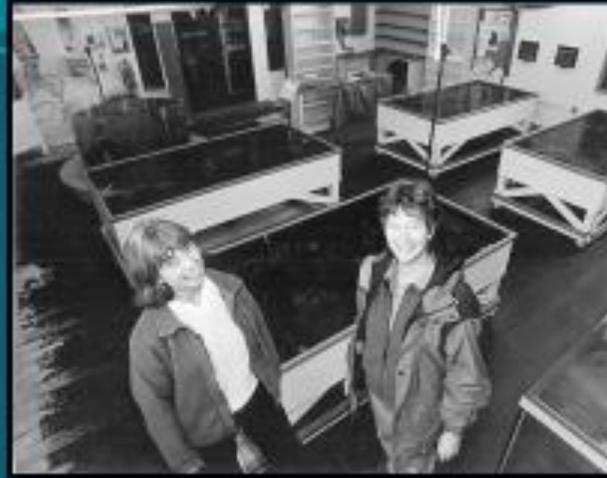
Inspiring Conservation of the Salish Sea through:

- Visitor Experiences - Exhibits
- Life-long Learning and ...



...Citizen Science

- 34 years of Citizen Science:
 - 30 projects
 - Over 3,500 citizen scientists



PTMSC Projects

- *Current*
- Sound Toxins and Azadinium
- Sea Star Monitoring
- Marine Mammal Stranding Network
- Harbor Porpoise acoustic study
- Puget Sound Seabird Survey
- Regional Stormwater Monitoring – mussel deployment
- Green Crabs - updated information - March 18
- Paralytic Shell Poison monitoring
- BEACH – water monitoring for bacteria
- Orca Network and hydrophone

UU Ministry for Earth

Threat of Global Warming/Climate Change
Unitarian Universalist Association of Congregations
2006 Statement of Conscience



"Earth is our home. We are part of this world and its destiny is our own. Life on this planet will be gravely affected unless we embrace new practices, ethics, and values to guide our lives on a warming planet."

Green Sanctuary Committee

- **Purpose:** to encourage the congregation to learn about and take action to promote sustainability and care of our environment through increased consciousness, lifestyle changes, community education and involvement in environmental issues, like climate justice.

7 UU Principles

- #2 “Justice, equity and compassion in human relations”
- #7 “Respect for the interdependent web of all existence of which we are a part”

CURRENT GSC THEME:

Climate Justice and the Salish Sea

Local Tribes inspire formation of Native Peoples Connection Action Group in 2015



Our Commitment to Native Peoples

- In 1987, Church Council of Seattle faith leaders from different denominations, signed the first letter of apology and contrition for their destructive actions in relation to Native peoples and Native cultures, and they reiterated that apology in 1997.
- In August of 2014, once again Northwest faith leaders stepped forward with a declaration to Native leaders, stating that they would “stand in solidarity with our Native neighbors to safeguard the traditional lands, waters, and sacred sites of their peoples from destruction.”
- In June of 2015, the NW UU District signed on.

EcoHero Award Winners 2014

Students for Sustainability



Vigils and Rallies



Cosponsor Concerts

Emma's Revolution, 4/16/16



Pope Francis

“Now is the time for courageous actions and strategies, aimed at implementing a ‘culture of care’ and ‘an integrated approach to combating poverty, restoring dignity to the excluded, and at the same time protecting nature’”.

(2015 address to US Congress, quotes from “In Laudato Si”)

Green Sanctuary



Green Sanctuary

COMMIT2RESPOND

<http://www.commit2respond.org/>

a coalition of Unitarian Universalists and other people of faith and conscience working for climate justice.

- *SHIFT to a low carbon future*
- *ADVANCE the human rights of affected communities*
- *GROW the climate justice movement*

CLIMATE JUSTICE MONTH

March 22–April 22, 2016

World Water Day - Earth Day, Unitarian Universalists and other people of faith and conscience will build resistance to climate change & add moral voices for climate justice.

Jefferson Land Trust

“Helping the community preserve open space, working lands, and habitat forever”



Jefferson Land Trust



Jefferson County Food System Council



Jefferson County Marine Resources Committee



A Local Approach to Protecting & Restoring
Marine Resources & Habitats



Jefferson County
**Marine
Resources
Committee**

www.jeffersonmrc.org



**Northwest
Straits**
INITIATIVE
partners in marine conservation

Jefferson County Marine Resources Committee

- Advisory to BOCC
- Habitat, education & restoration projects



WSU Ext & Other Partners



PT/Jeff Co Climate Action Committee

High School Heroes

How Students Were Key to Success
in Recycling and Sustainability Programs



Presented by
Students for Sustainability
Port Townsend, WA

History of ... Students for Sustainability



Students for Sustainability is a dedicated group of Port Townsend High School students who are taking action to mitigate climate change at their school, in their community, their state, and at a national level.

Cafeteria Waste Program



- Waste Audit showed much of school's waste from disposable trays and utensils
- Worked with cafeteria staff to form a sustainable cafeteria program (reusable trays, utensils)
- Cost analysis (price of materials, time to wash trays, etc.)
- Savings determined to be \$4,600 per year; \$7,630 if garbage reduction savings is added

Beginning Projects

PTHS Recycling Program:

- Research - why the bins weren't getting emptied
- met with custodians and teachers to work out a plan
- monitored and analyzed garbage and recycling dumpster levels and pick-up schedules
- created a system to reduce pick-ups, and hire recycling staff with the savings!



Paperless Bulletins

- Deliver daily bulletins to classrooms
- Worked to reduce paper consumption
- Online access
- Broadcast on TVs in school
- Hardcopy upon request



Working to change the planet...

March 27 – April 7, 2014

Students for Sustainability
traveled to Washington, DC
to lobby for their future



”Climate change is the issue of our generation.
We urge our leaders to act NOW
because our future matters!”

“How I spent my spring break ...”



March 13th, 2014

Students for Sustainability received the

President's Environmental Youth Award

for EPA Region 10



... for their work on sustainability issues both at their school and in their community



SFS in the News!

Project Learning Tree
Empowering Educators, Inspiring Youth

Blog | E-Newsletter | Contact Us | Log In

DONATE

CHARITY NAVIGATOR

Who We Are | Curriculum Overview | Attend a Training | GreenSchools! | GreenWorks! | Connecting Kids to Nature | Resources | Ways to Give

SPRING 2015

Home :: Resources :: The Branch Newsletter

The Branch
PLT'S E-NEWSLETTER

Share

SPRING 2015

Students for Sustainability

By [Kyle Cooper](#)

- Reduced cafeteria waste by switching to reusable dishes and utensils, saving an estimated \$10,000 per year
- Improved community and school recycling programs by raising funding for new bins
- Instituted a ride-sharing program to get more students to carpool
- Led a massive reforestation effort to improve local habitat

These are just some of the accomplishments and current endeavors undertaken by a group of high school students at Port Townsend High School (PTHS) in Washington State. The "Students for Sustainability" (SFS) as they call themselves, are actively working to reduce the carbon footprint of their school, community, and the nation.

RESOURCES

- ▶ The Branch Newsletter
- ▶ PLT's Blog
- ▶ Curriculum Resources
- ▶ Nature Activities For Families
- ▶ Energy Lesson Plans & Resources
- ▶ Webinars
- ▶ The Lorax Activity Booklet

RELATED CONTENT

wsrm
Washington State Recycling Association

The Report

The Rural Perspective: How Do You Fix a Broken Recycling System?

Laura Tucker, Waste Reduction Education Coordinator, Jefferson County, ltucker@co.jefferson.wa.us

In rural Jefferson County on the Olympic Peninsula, Students for Sustainability (SFS) at Port Townsend High School are trying to improve their world, one CO2 molecule at a time. As a result of their innovative work, two of their members were recently honored in a White House ceremony as recipients of the EPA's 2013 Region 10 President's Environmental Youth Award.

The SFS group began meeting in 2012 with a goal of fixing the school's broken recycling program. Working on their own, they came up with innovative and creative ways to address the problem.

The Problem

Many classrooms at the high school had no recycling bins, and those that did were often full of garbage. SFS thought the problem could be easily solved by getting a few more bins, attaching effective signs, and promoting the program to the student body. Slam dunk.

What makes SFS stand out, however, is how they approached the problem. They surveyed the teachers to find out the history of the recycling program and see where it had gone awry. Teachers told them the custodians used to empty the recycling, but it was no longer in their contract. A meeting with the custodians confirmed that they couldn't add a task this big to their workload.

other side of campus where the dumpsters were located. In addition, if the recycling bins were full of trash, the custodians had to empty them along with the garbage cans.

If at First You Don't Succeed ...

It looked like a no-win situation. SFS decided to take a step back and conduct a waste audit to see how much recycling actually ended up in the appropriate dumpsters, and how much in the trash. To no one's surprise, the recycling dumpsters were fairly empty. However, they were still being serviced three times each week. SFS researched the cost of each service and creatively calculated that if they were only emptied once a week, enough funds could be saved to hire a IFTF to empty the classroom bins

Leaving a Sustainability Legacy

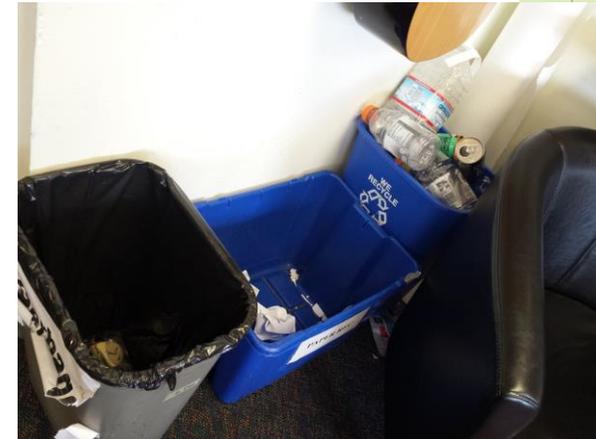
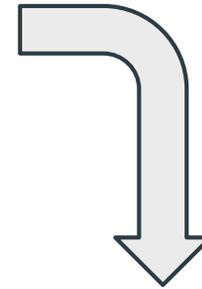
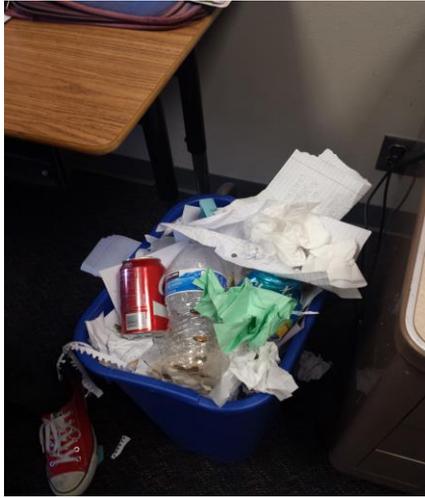
The core group of SFS began as 10th graders and graduated last June, having laid a solid foundation for sustainable practices, not only for "fixing" the recycling program, but also for reducing paper consumption by 30,000 pieces each year, and saving the district \$10,000 annually by switching to reusable dishware.

Before graduating they recruited another 30 9-12th graders, making SFS the largest school club. The "next generation" is poised to complete the projects begun by the inaugural group and add a number of projects of their own, including a carpool/walk/bike to school program, installing recycling bins downtown, and designing a

SFS with their President's Environmental Youth Awards certificates and patches. 9 to 6 front row: Steve Pratt, Niko Rutenbeck, Natalia Tawaz, Lily Marrock, Peri Mulhous, Eamon Clarke, back row: Ian Hadden, Harry Doyle, Ewan Shortess, Micah Ewalt, John Reid, Sara Fullerton



Senior Project by Hannah Welch





Recycling bins for the downtown area

- SFS asked the City to consider getting recycling bins for the downtown area
- Waste Connections was asked by the City to include recycling bin costs in their new contract
- The City asked for our input
- SFS chose a design that was environmentally conscious, economical and attractive.
- The City of Port Townsend purchased them and are currently implementing a trial run as we speak!



Reducing the largest amount of waste at the high school

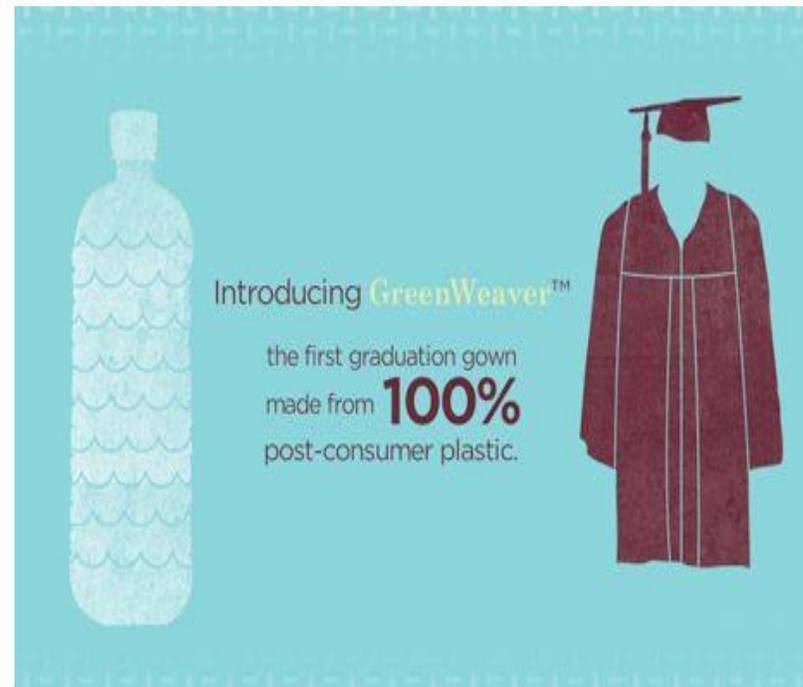


SFS Plate Drive



Graduation Gowns

- Previous gowns made in China from non-recycled materials
- We chose the Green Weaver:
 - made from 100% recycled bottles
 - more affordable
 - made in the USA



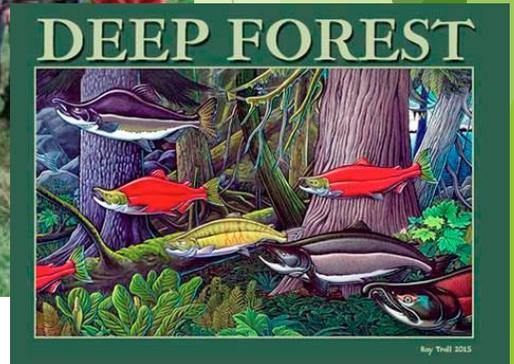
Walking our talk – sustainable practices

- **SFS served as Crew Leaders** for the Northwest Watershed Institute annual Plant-a-Thon on Saturday, February 1, 2014
- **We joined over 100 4th-12th grade students and parents to plant over 2,500 trees in 2014!**



Creating Change through Action

In 2015,
the Northwest Watershed
Institute,
student groups, and SFS
planted 3,500 trees
in the Tarboo Valley Watershed!



Tree planting as a carbon offset

500 native trees planted as of today on a Jefferson Land Trust conservation easement. Students for Sustainability has been awarded sole stewardship of this unique property!



First ... thank you for listening!

Second ... Questions? Ideas?



Local 20/20 CLIMATE ACTION



CLIMATE
ACTION

JeffersonCAN.org

Climate Action Now

2 Working Groups (each meet monthly):

- Climate Outreach
- Climate Change Preparation

See I2020.org/climate-action

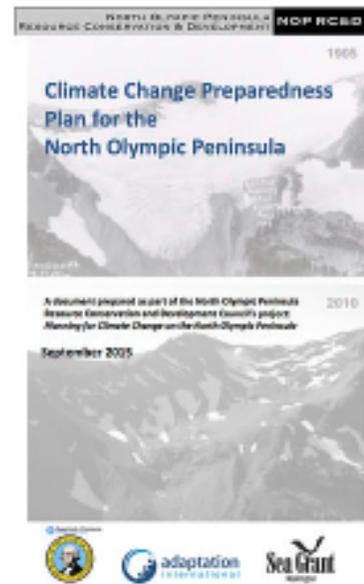
Local 20/20 Climate Outreach

- We help raise awareness and educate the community on how we can all help meet the city/county Climate Action Plan goal to reduce greenhouse gases 80% below 1990 levels by 2050
- This group:
 - Organized the Taming Bigfoot Competition
 - Holds periodic talks on climate change
 - Manages the JeffersonCAN.org site - local resources for reducing your carbon footprint
 - Collaborates with the city/county joint Climate Action Committee
- Come join us!



Local 20/20 Climate Change Preparation

- Climate change impacts are happening – drought, flooding, etc. How do we as a community best prepare?
- We educate ourselves and others on the climate impacts projected for this area, and help facilitate community efforts to prepare
- We have:
 - Participated in the Planning for Climate Change in the North Olympic Peninsula project
 - Helped organize the Drought Forum last year
 - Provided comprehensive plan input on climate change to the city and county
- Come join us!



Local 20/20 Citizens for Local Food



Local 20/20 Citizens for Local Food



Beyond Waste



Local 20/20 Energy Action Group(EAG)

- ▶ **The EAG explores practical answers to help Jefferson County conserve energy, save money, enhance our energy self-reliance and strengthen our community. We are active in many energy projects including energy conservation, ultra low energy buildings, conventional and renewable energy production, electric vehicles, and new Green Energy Technologies.**

- ▶ **Our Mission:**
 - Educate community on energy policy, technology and trends
 - Rethink how we power our community today
 - Reduce greenhouse gas emissions in Jefferson County by:
 - conserving energy in commercial, Industrial, and residential applications
 - transitioning to electric and other non-carbon fueled vehicles
 - investing in local renewable energy production

- ▶ If you would like more information or are interested to join our group

- ▶ **Contact Tom Engel at EAG@l2020.org**

Energy Lunch Program

Monthly Energy-Related Programs Featuring:

- National/International Speakers
- Carbon-Free Ammonia as Green Fuel
- Wildpoldsried Village, Bavaria: Energy Self-Sufficiency
- March 17, Program: "Profitable Harvesting of Biomass from Aquatic Dead Zones."
- Video archive of Energy Presentations
- <http://porttownsendmedia.com//energy/>
- Sponsored by Local Businesses and Individuals

L2020 RESILIENCY OF HEART - **Art For Earth** action group



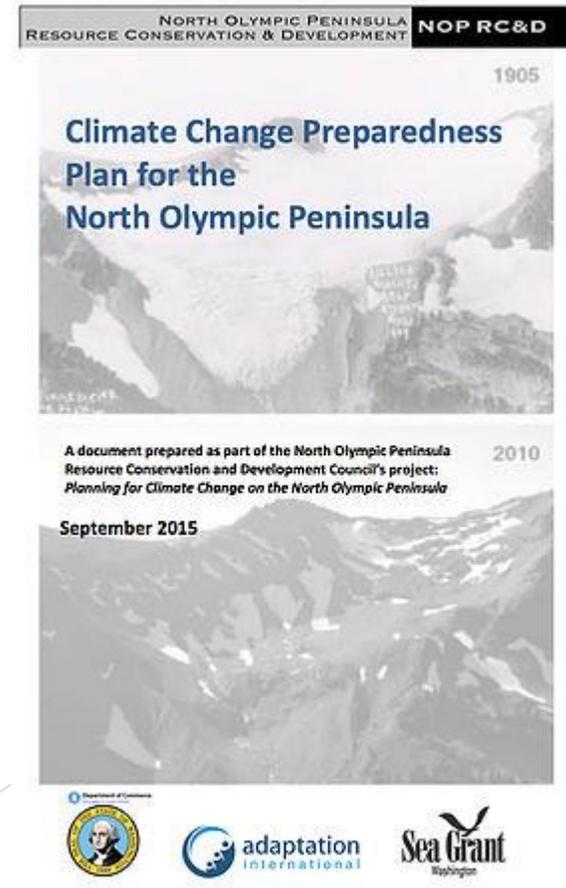
L2020 RESILIENCY OF HEART - **Art For Earth** action group



NORTH OLYMPIC PENINSULA RESOURCE CONSERVATION & DEVELOPMENT

NOP RC&D

- ▶ A collaborative effort among member governments, educational & community organizations to advance economic, environmental & quality of life initiatives on the North Olympic Peninsula
 - ▶ Includes Jefferson and Clallam Counties, and the cities of Port Townsend, Sequim and Port Angeles, as well as the tribes, Ports, PUDs, etc.
- ▶ Led the Preparing for Climate Change in the North Olympic Peninsula grant-funded project



Purpose & Objectives:

- ▶ To develop, support and carry out regional plans for economic and community development;
- ▶ To support the efforts of other organizations and agencies to enhance quality of life in the region;
- ▶ To provide networking opportunities to collaborate on and advance regional projects;
- ▶ To leverage the coordination and cooperation of members in projects which enhance the economy and environment of the North Olympic Peninsula.

NORTH OLYMPIC PENINSULA RESOURCE CONSERVATION & DEVELOPMENT

NOF RC&D

How you can get involved:

- ▶ Interested in applying for community-wide grants related to climate change, local food, renewable energy? NOPRCD may be the right organization to partner with.
- ▶ Contact Kate Dean for more information, info@noprkd.org, or see www.noprkd.org







**"A BICYCLE IS MORE THAN A WAY TO GET AROUND, IT'S AN EXPERIENCE."
-James Alan School-**

SHOP OPEN
Tuesday - Saturday
May - October
11 - 4:00pm
Nov. - April
10:00am



FULL SERVICE BIKE REPAIR

Safety Check	\$35
Tune Up	\$45
Major Tune Up	\$90
Overhaul	\$140
HUGS	FREE!

WHO WE ARE

As the Jefferson County ReCyclery, we work to increase bicycle ridership in East Jefferson County by educating and empowering people to live active and healthy lifestyles.

We teach people to ride safely and fix their bikes while promoting the social, environmental and health benefits of cycling.

THE RECYCLERY IS A NON-PROFIT COMMUNITY CYCLING CENTER WITH A FULL-SERVICE REPAIR AND RETAIL SHOP.



WWW.PTRECICLERY.ORG
360.643.1755
1925 BLAINE STREET #500
PORT TOWNSEND WA 98368

The ReCyclery

promoting health and sustainability through bicycles

BECOME A MEMBER

As a member you support our programs, get 10% off new items, free use of tools and advice on Community Shop Days and more.

MEMBERSHIP OPTIONS

(examples of where your funds may go)

- \$15 Student Ride
(buys a wrench for volunteer use)
- \$25 Individual Cruiser
(supports a hour of youth bicycle education)
- \$50 Family Mountain Bike
(buys a adult bike maintenance class)
- \$250 + High Wheeler
(helps fund a school bike trip to the San Juan Islands)
- \$500 Critical Mass: group membership for up to six people
(funds scholarships for a youth mountain bike rider)
- I would like to donate \$_____ to help keep the ReCyclery and it's bike programs rolling.

Name(s) _____

Email _____

Phone _____

Address _____

City/State/Zip _____

Send a check or drop by with this form:

The ReCyclery
1925 Blaine Street Suite #500
Port Townsend, WA 98368



(for ReCyclery office use only)

Expiration Date: _____

Member Cost Entered by _____



COMMUNITY SHOP DAYS

Fridays & Saturdays are Community Shop Day. Bring in your bike and get your hands dirty. Members get free tool use and advice on how to make their own repairs.

Not a member? Drop-in fees or volunteer swaps apply.



VOLUNTEER

Volunteers of all ages, backgrounds, and interests are needed to keep The ReCyclery rolling. Do you have a skill to offer? Do you want to learn something new? Please contact us!

email: info@ptrecyclery.org
Call the Shop: 360.643-1755
www.ptrecyclery.org

BIKE RENTALS

A unique sliding scale/by donation program, enables everyone to have access to a bike. The bike comes with a lock and helmet.

EARN-A-BIKE

The Earn-a-Bike program allows volunteers to donate 25 hours of service to The ReCyclery in exchange for building their own bicycle. Designated days throughout the week provide volunteers opportunities to earn their hours at the shop.



BICYCLE EDUCATION

Kids learn about the benefits of cycling through fun and innovative classes. Hands on knowledge of bicycle repair, road riding safety, and bicycle culture are taught in the classroom and on the road.



RECYCLE & REFURBISH

Donate your used bikes and bike parts! Just bring them in. All donations are 501(c)(3) tax deductible to the extent allowed by law.



Students Hate PE Bike Ed





Killer Goldfish



Port Townsend Mountain Bike Skills Park– Conceptual Design



1. Mountain Bike Skills Loop



2. Flow Trails



3. Jump Trails



4. Pump Tracks (Youth and Standard)



5. Entry Plaza



MAY IS BIKE MONTH

THE **PTC** PRESENTS!

STEP ON IT!
Join the campaign
to promote biking
and walking!



Bike Shelter Dedication

Friday MAY 19TH, 2:00PM
A Celebration and Dedication Kick-off at Blue Heron

Bikathon for Bike Shelters

MAY 19TH - MAY 20TH
Help raise funds to support bike shelters at PT and
Chatham schools. Get some at the PTCycleery

Dust Off Your Bike Day

Saturday MAY 2ND
Get your bike ready for the Coast 2.30-5:00p
& 100-120 Commuter Association at the PTCycleery

Bike to School Day

Wednesday MAY 8TH
Celebrate school and end of Semester

Bike to Work Day

Friday MAY 15TH
Head on at the PTCycleery 121 Sea side walk
and a big inflatable high tide

Bike to Work Week

MAY 11TH - 15TH
Join the PTC Commuter Challenge

Rhody Parade

Saturday MAY 18TH
Join the PTCycleery & ride to the parade by bike!

Birthday Party

Saturday MAY 30TH, 5PM
Celebrate birthday with food and drinks
PTC party and small annual meeting

More details at www.ptrecyclery.org or 360.643.1755

Free Limited Free Press 98-100 100% for food long-term better 50-50 for long 50-50 for food 50-50



Peace and Social Concerns Working Group/ Port Townsend Friends Meeting

The background of the slide is white with abstract, overlapping green geometric shapes on the right side. These shapes include triangles and polygons in various shades of green, from light to dark, creating a modern, layered effect.