



Plan:
Plan type:

Reynolds School Project Sustainability Plan and Ne
Initiatives 2018-2020
Organisation

Organisation:
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Health and happiness



Outcomes

Name	Detail
Culture of self, and planet care	Initiatives such as the school garden project, salad bar program and pop-up cafe support healthy eating, access to outdoor green space and opportunities to socialize in a product sharing atmosphere, contributing to health and happiness through caring for self and the planet.



Actions

Name	Detail
Take part in bike to school/work days	Encourage students and staff to walk or bike to school in order to increase physical activity.
Establish pedal power station for educational purposes	Procure funding for and establish a station for charging phones and making fruit smoothies with student muscle energy and sweat as an educational tool.
Launch Reynold's Pop-Up Cafe Book STOP & Clothing SWAP	Develop a Pop Up Cafe Book STOP & Clothing SWAP to shift the school culture around sharing, reusing, recycling books and clothing. Supports many One Planet principles: 1. Health and Happiness-- provides a place to gather, be together in community, hang out and enjoy locally made products, Swap clothing and Books 2. Equity and Local Economy-- creates and sells locally created items like dried herbs for Thanksgiving, dried apple chips and applesauce, garden created lavender lip balm... 3. Culture and Community-- connecting to elementary schools to create nature art cards as a backdrop to meatless recipes and local climate change stats as well as learning art projects, Popping Up in the community as well as the school such as at our monthly parking lot Community Recycle Depot, U-Vic Ideafest and other schools 6) Local and Sustainable Food-- using our own courtyard garden and local farms for making our goods 8) Materials and Products-- creating a culture of SHARING for reusing items like books and clothes 9) Zero Waste-- emphasizing reducing and reusing before recycling
Maintain the courtyard garden as a healthy & happy space.	Maintain the courtyard garden space as a location to develop school community connections with outdoor concerts and other social events as well as a place in nature to decompress and produce healthy organic food and access herbs like lemon balm for stress relief.



Indicators

Name	Detail
Increased class participation in garden workshops outside.	Keep data on workshops presented and attendance as well as which subject areas are represented in signing up. Aim to cover a broad selection of subject areas. Over 500 students have participated in hands-on learning in the garden to date. We will keep data to maintain or increase this number.
More bikes are observed parked in racks at school.	Data collected (count)/photos showing increased bikes being used as transportation to school. More students include biking to school as part of their Healthy Living Plans for Career Life Planning.
Courtyard used regularly for social events.	School calendar of events shows more social activities taking place in the outdoor courtyard space.
Pedal Powered Smoothies and charging station can be found in Flexible Studies wing with students operating it.	Take photos as evidence.
Engagement in Pop-up Cafe is increasing over time.	Keep a photo record of participation at pop-up cafe to record the culture building of a positive pace to be for social enjoyment and eco-conscious actions.





Equity and local economy



Outcomes

Name	Detail
Stronger partnerships with local business, school, and community organizations	Work with Tim Horton's to reduce waste from non-reusable drink containers. Build on partnership with Life Cycles Growing Schools and Topsoil to maintain a sustainable school garden model and pilot options for the school district. Continue to develop partnership with Silver Linings Farm.



Actions

Name	Detail
Tim Horton's waste plan creation	
Grow or source local, harvest and create value added eco-friendly products to sell at pop-up cafe.	Support local farmers and grow own herbs in the courtyard garden etc. Create own products such as lip balms and picked beans to sell at the pop-up cafe.
Create a brand/logo for eco-friendly school produced products.	Students to develop a logo/brand to use on products we sell such as the cartons of apple juice in partnership with Silver Linings farm to use as a fundraiser for the Flexible Studies Program to support Field Studies (Nature and Environment) trips and learning.



Indicators

Name	Detail
Tim Horton's Waste Plan Creation.	Plan is written up with time-line for creating incentives to reduce disposable cup waste coming from Tim Horton's to school.
Locally created products increase.	More locally (school and local farm) products are created yearly to sell/give away at pop-up cafe. Log of items and sales kept for records.
Revenue is generated from Silver Linings Farm apple juice initiative.	Revenue recorded yearly.



Culture and community



Outcomes

Name	Detail
Culture of sharing and reusing strongly present in the school	Students and staff are 'rethinking' their purchases, reducing waste, and reusing products. Offer opportunities for the school community to rethink purchases, reduce waste, reuse where possible, repair, and recycle in a community market atmosphere to make it an enjoyable process and encourage participation.



Actions

Name	Detail
Participate in the One Planet Saanich Initiative	Through this project we are creating our One Planet Action Plan and collaborating with other participating schools and organizations.
Continue to offer environmentally focused workshops.	Offer workshops on canning, bike repair, cheese making, mason bee keeping, composting, medicinal uses of plants with First Nations Elders etc.
Continue Garden Apprenticeship/Work Experience Opportunities started summer of 2018 Program and expand to other students in the school district.	Garden Apprenticeship/Work Experience Program offered 9-weeks during the summer and/or Fridays after school during the year. See expanded offering here: http://lifecyclesproject.ca/seed-the-city/
Encourage others to create schoolyard gardens by being a district resource site.	Influence other BC schools by leading the way for schoolyard garden programs that promote health and well-being for the students. Entries and archived project descriptions in BC Green Games as well as school tours of programs and initiatives.
Use the Pop-Up Cafe for ongoing development of a positive and exciting culture of sharing and reusing in the school.	Continue to develop ideas in conjunction with the pop-up cafe which encourage sharing and reducing such as having a hallway used clothing fashion show, having people read exciting excerpts from books, have sign-up for field trips to local thrift shops, garage sale type days to exchange goods... the sky is the limit. Make it a fun place to be with music, treats from the garden....
Maintain healthy service volunteering program through the Flexible Studies and Leadership programs.	Continue to promote and monitor volunteer service in the community through the google classroom platform and provide the email service for community members to request student volunteers.



Indicators

Name	Detail
Number of students participating in garden apprenticeship/work experience program increasing.	Keep data on numbers.
Number of Pop-Up Cafes offered on and off school campus.	Keep data on the number of times and locations that the pop-up cafe appears at.
Students regularly attaining the minimum 20 hours of volunteer service	Monitor data in google classroom logs



Land and nature

Outcomes

Name	Detail
Healthy local ecosystems	Our garden project supports the health of natural pollinators and is increasing the abundance of native plant species. We are reclaiming the Garry Oak ecosystem at the front of our school by removing non-native and invasive plants and replacing with Garry Oak meadow species.

Actions

Name	Detail
Continue to develop relationship with Swan Lake Nature Sanctuary for regular outdoors learning activities with the Flexible Studies class.	Develop true understanding of Swan Lake as a nearby natural Place for place-based learning of local ecosystems, plant and animal species, watershed health etc with regular visits throughout the year and engagement in conservation projects as they arise. Work with the nature sanctuary employees for yearly mutually beneficial projects such as monitoring water quality.
Continue with years 2-4 reclaiming the Garry Oak Ecosystem "meadow" area at the school front.	Continue student involvement in reclaiming the Garry Oak ecosystem on school grounds by adding leaf mulch and planting native plant species each year to cover 4 zones in total, improving the natural habitat for many animal species, absorbing rainwater run-off and working in partnership with Saanich Parks to understand reclamation efforts in the community.
Continue to develop diversity of Species in our courtyard garden.	Maintain both native and non-native plants in the garden and add new food plants to try. Increase plants to attract more pollinators as well as mason bee hives.
Provide Educational Signs for Courtyard Garden	Create signage in the garden to help staff and students identify species and their uses.
Continue to provide workshops to connect students to living things outside the classroom.	Through our Life Cycles Garden Educator, First Nations Elders and other community members create a bridge between nature and the garden and curriculum in the classroom offering students experiences to learn outside the classroom in natural environments.

Indicators

Name	Detail
More diversity of plant species and bee attracting species in garden	Keep a log/garden map of plant species with indicators of native, non-native, edible, attracts pollinators
Number of visits and projects at Swan Lake	Keep a log of visits and projects engaged in.
Number of workshop attendees.	Student feedback about their experiences and data on numbers kept.
Signs present in garden	Signs present in garden identifying species and observations of staff and students using them as well as making connections to produce used in the salad bar and where it is grown in the garden.



Sustainable water



Outcomes

Name	Detail
Advance sustainable water use on site	We are minimizing potable water consumption through water conservation measures in the garden.



Actions

Name	Detail
Add posters with water stats at water bottle filling stations in school.	Improve education around water consumption and conservation efforts with informational posters mounted at water bottle filling stations.
Reduce disposable water bottle use in the school.	Plan a recurring campaign to educate, motivate and incent students to use tap water and own water bottles rather than disposable water bottles.
Conserve water through rainwater collection and utilization.	Develop a plan to purchase and install rainwater collection barrels for garden.



Indicators

Name	Detail
More people bringing own water bottles to use at filling fountains.	counting use of bottle filling stations (digital counters) and plastic bottles in refuge
Water usage and conservation posters at water stations with people seen reading them.	Have a quiz contest with prizes to see who has learned material from posters.
Plan is created for rain water barrels in courtyard.	A well thought out plan is created including source, financing, amount, installation for adding rain barrels for water collection in courtyard, including a time-line for implementation.



Local and sustainable food



Outcomes

Name	Detail
Sustained garden program connected to community and supported by the school district.	Sustained garden program connected to community and supported by the school district.
Sustained salad bar program	Our salad bar program, which has students growing organic food for use in the cafeteria continues to thrive and we share our experiences to encourage other schools to create similar programs.



Actions

Name	Detail
Sustain & Expand the Courtyard Garden growing efforts with the addition of a Salad Greens school "farm" site to increase food production to supply the salad bar and beyond.	In 2008 we removed the asphalt from our outdoor inner courtyard and with the help of a Leadership Victoria Team who worked with us to create the project plan, contracted LADR Landscape Architects to design the space. Students built raised garden beds for an urban food garden (with guidance from Life Cycles Growing Schools), compost bins, cold frames, bat and bird houses. Our goal now is to sustain this garden space with an ongoing plan to partner with local organization Life Cycles Growing schools to have a paid garden educator managing the space and connecting to staff and students for educational purposes as well as growing food for the salad bar and future revenue producing enterprises.
Encourage reduced meat consumption.	Make meatless meal recipe cards available at the pop-up cafe.
Sustain our weekly salad bar program with increased greens coming from our own gardens.	Inspired by the BC Farm to School Salad Bar Program (http://www.phabc.org/modules.php?name=Farmtoschool) developed a steering committee made up of students, staff, parents, our Healthy Schools Coordinator, VIHA (Vancouver Island Health Authority) members, Island Chef's Collaborative representative and local farmers. Planned salad bar meals and partnered with local farms, Madrona (http://madronafarm.com/) and Healing Farm (http://www.healingfarm.ca/) to provide us with local produce throughout the year. An Independent Directed Studies course was developed for students to run the salad bar operation, including arranging for pick-up and delivery of produce, preparation, set-up and clean up, as well as operating the budget and pre-ordering of the weekly salad bar to students and staff. These students also took part in two work study placements with our farm partners and with an Island Chef's Collaborative membership restaurant. Our goal now is to sustain this program which procures locally grown food as much as possible and serves a healthy meal offering once a week, 10 times each semester to approximately 100 staff and students as well as expand the produce coming from our own school growing efforts with the addition of a Salad Greens school "farm" site to increase food production to supply the salad bar and beyond in partnership with LifeCycles Growing Schools and Topsoil Urban Garden company.
Actively use the existing hydroponics tower to grow micro-greens for the salad bar.	A contained, efficient hydroponics system was constructed to supplement our salad bar with fresh lettuce and herbs. We need to actively work towards its ongoing use.
Continue educating students about Wild Foraging as a sustainable food source.	'Foragers of Wild Edibles Unite' was started to learn about foraging for wild edibles with the aim to use them in our salad bar program. Local expert Katherine Harding "The Wild Foods Experience" provided training. In the abundance of food around us. http://coeyleadership.weebly.com/get-real-green-group-projects-on-the-go.html . We wish to continue yearly workshops to help students learn about this food source and what is locally available.
Maintain Chicken Fostering Program	Backyard chickens are a valuable part of a food security plan. In 2012 we partnered with a local permaculturist who raises chickens who gave us eggs to incubate that were kept until old enough to local families for raising backyard chickens! Our goal is to maintain the yearly incubation of chicken eggs from a local farmer each year for students to learn about and raise in the classroom and then give to families to raise as backyard laying hens.

Promote and support local farmers

Use locally purchased produce from BC farmers (Victoria if possible) to supply salad bar whenever available. Partner with Silver Linings Farm to create Flexible Studies branded apple juice as a program fundraiser.

Educational Signs in Garden

The edition of educational signs will help staff and students to identify species and connect to plants being served in the salad bar.



Indicators

Name	Detail
Wild foraged items are recognized as a food source.	At least one class meal is created using wild foraged foods.
Hydroponics tower up and running.	Hydroponics tower supplies some micro-greens to the salad bar program particularly during the winter months.
100+ staff and students signing up for salad bar.	Maintain records of orders.
Number meatless recipe cards taken	Number of recipe cards taken at Pop-up Cafe.
Extra garden space installed.	100 growing tubs with irrigation system added as an external greens growing farm on school grounds with Topsoil installing.
Families supplied with backyard chickens.	At least one family a year receives backyard chickens from our program to lay eggs as a backyard food source.



Travel and transport



Outcomes

Name	Detail
Increased use of active transport to/from school	A greater proportion of staff and students travel to/from school using active modes of transport .
Reduced emissions from staff and students getting to school	Work with Saanich to perform a transportation audit and develop actions based on the needs uncovered.



Actions

Name	Detail
Take part in Saanich's Transportation Audit during the 2019-2020 School year.	Engage in Saanich's Transportation Audit and analyze the data for future action.
Continue yearly participation in Bike to Work/School Weeks.	Continue to have students take on promoting and determining incentives for bike to school/work weeks during the school year.



Indicators

Name	Detail
Saanich Transportation Audit is conducted.	Description
Staff & Students participate in bike to work/school weeks.	Count number of bikes in school racks before and during those weeks.



Materials and products



Outcomes

Name	Detail
Awareness of ethical product choice evident in staff and students	When choices are available the eco-friendly choice is made by staff and students. For example staff and students bring their own reusable containers and cutlery to use at the salad bar.



Actions

Name	Detail
Promote use of local Recycle Depot	Continue to promote the Community Recycle Depot hosted by the school on the 4th Saturday of every month in the school parking lot as a location for recycle drop off and reducing landfill waste products through website and newsletters home.
Continue to promote reusable containers and cutlery use in the salad bar.	Maintain cash intensives for staff and students who bring their own reusable containers and cutlery for use at the weekly salad bar.
Encourage the use of locally sourced products in the pop-up cafe	Only provide used or school/local farm made products for free or cheap at the pop up cafe.
Encourage eco-friendly cleaning product use.	Provide recipe cards for DIY home cleaning products put out by the CRD at the pop-up cafe.



Indicators

Name	Detail
Recycle Depots continue monthly in our parking lot.	Depots scheduled into school calendar, volunteers scheduled to work at them, school sign continues to promote, public continues to show up.
Over half of staff and students bring own containers and cutlery to salad bar.	Keep records (tally) of staff and students bringing own containers and cutlery to salad bar.
Only locally sourced/made products available in Pop-up Cafe.	Description
DIY recipe cards for cleaners picked up at Pop-Up Cafe.	Keep track of cards picked up for use by pop-up cafe "goers".



Zero waste



Outcomes

Name	Detail
Pronounced zero waste ethic	Have a pronounced zero waste ethic in the school with buy-in from staff and students. We provide conveniently located recycling stations and are tracking waste reduction and recycling efforts.



Actions

Name	Detail
Revitalize & sustain school recycling program with educational posters at stations and reduce contamination.	We lead the school district in piloting recycling stations in each hallway while removing garbage cans which recycle hard plastics, soft plastics, foil-lined plastics, paper, organics, drink containers... There is a great deal of contamination in the containers which we hope to improve on with educational posters at each station sharing recycling statistics and benefits to recycling.
Sustain our ongoing Community Recycle Depot	Continue providing volunteers for the community recycling depot in our parking lot on the 4th Saturday of every month operated by Pacific Mobile Depots.



Indicators

Name	Detail
Educational Poster present at all recycle stations in the school.	Have a quiz contest with prizes to see who has learned material from posters.
Participation in Community Recycle Depot is maintained.	Community members continue to attend community recycle depot as monitored by percentage donation we receive and quantity of items (by number of trucks full) that are kept out of the landfill.



Zero carbon energy



Outcomes

Name	Detail
Staff and students engaged in carbon footprint reduction actions	Using e-tools to engage and motivate school population in changing behaviours to reduce carbon footprint.



Actions

Name	Detail
Research viability of repairing broken solar panels on school roof.	Research cost and requirements to repair/replace broken solar panels on school.
Pilot Testing Lighter Footprint App offered through BCIT	Engage Flexible Studies and Leadership students in testing BCIT's lighter footprint App to determine success at encouraging behavioural change.



Indicators

Name	Detail
All students in the Flexible Studies Program and Leadership (60+) take part in the Lighter Footprint App Pilot.	At least 60 students use the App and data is collected for behavioural change.
Viability of solar panel replacement is determined.	At least 3 local solar panel companies are contacted to determine viability (cost analysis) of replacing solar panels.