

ECO ADVENTURE HUNT

due Monday 23 May

Task: This is best done as a team project. It is more fun to share your experiences with both your classmates and your family and friends in this adventure.

Objective: You have 8 sites to visit, you need to answer the following questions and put into final format to turn in for extra credit at the latest on May 23. The questions cannot be answered unless you actually go there, so you must see, you must ask and search these questions out. Designate a task, be effective with your time, do it all together, or do it apart, have a final meeting and put it all back together. This is your option.

Final format: You may include photos in your final project. Include any gathered information (brochures, samples, etc.). You must have all of the questions answered. **It may all be posted on a poster board, or in paper format.**

Question 1 - Tamarack Project 2323 se tamarack ave

- This is the home of your teacher, and an experiment in progress.
- Loadbearing strawbale structure-resource library in the backyard
- The roof collects rainwater in a series of rainbarrels and the pond.
- The garage is a SB infill with recycled tire flooring, bamboo floors, hydronic heating,
- On the garage roof sits a flat plate collector-heats all of the domestic hotwater uses natural gas as backup.
- This roof is also used to collect rainwater for the garden.
- In the front yard is a native berry garden built of 500 recycled wine bottles
- In Sept.2004 there was a 1.5 kw photovoltaic system installed on a freestanding pole in the backyard.

These projects were all student built as workshops.

Answer the following question: **At the Tamarack Project there are a series of rainwater collection barrels, how many are there total?**

Question 2 - People's Food coop 3029 se 21st Avenue

The food coop is member owned that only carries sustainable products. The produce is organic and other items contain only healthy ingredients that don't hurt the environment either in the making or use of. Check out the building as it is the first commercial cob structure in Portland, has passive solar heating, hydronic floors, bottle walls, a heat exchange system that pipes water down 300 feet in the courtyard and keeps the building hot and cool when needed. It has a solar chimney for evaporative cooling during summer months.

Find out what makes a People's food coop different than a conventional market.

Question 3 - Environmental Building Supply 819 se Taylor

EBS is an eco-green building supply company, an alternative to Home Depot. Name 3 products that are alternatives to stuff (products) per se sold at Home Depot. Bring back a sample or literature of any product that you would like to share with the class.

Question 4 - Hawthorne Hostel 3031 se Hawthorne blvd.

This hostel has an ecoroof made of earth and local plants. What is the reason WHY they have the ecoroof? Draw or take a photo and show where the roof is located.

Question 5 - Pearl District PV System Brewery Block Bldg. #4 (NW burnside area)

The photovoltaic panels provide 22 kw of solar energy to the utility grid of Portland which is a renewable energy source. Where are the panels located? How are they integrated into the design? Provide a drawing or photo. (they are not on the roof, do not attempt to enter the roof it is offlimits and there is a guard there).

Question 6 - Share-It-Square se Sherrett and 9th streets

The square was created by City Repair which has 4 major corners with special structures on each facing a central street mural. What is on each corner? and What is the mural in the center?

Question 7 - DaVinci Middle School 2508 ne Everett

The middle school has an aquaculture and rainwater collection system that the students built and maintain. How many ponds are there? and what urban problem does the rainwater collection ponds stop? (photo op) for more info: <http://www.keepersofthewaters.org/davinci.cfm>

Question 8 - EcoTrust Building 721 nw Ninth

The ecotrust building is a commercial venture that includes greenminded tenants in a recycled building. What main city government office is located on the 3rd floor that could help change conventional architecture? Bring back a brochure from the office. Stop in and say hello to Greg Acker or Mike O'Brien, tell them you are from my class. p.s. the portland trolley stops in front of this building