

CBL Project Proposal: Reducing Ecological Footprint in SMU

Big Idea (Background)

The Ecological Footprint measures the amount of biologically productive land and sea area an individual, a region, all of humanity, or a human activity that compete for biologically productive space. According to the Global Footprint Network, we currently consume more resources per year than our planet can produce in the same timeframe. Our ecological footprints will generate great impact on the earth. Reducing our ecological footprints could contribute in many ways to save the earth.

Essential Question

How can we reduce our ecological footprints to save the earth?

Challenge (Objective)

Try to find out effective methods to reduce ecological footprints and take action to make a difference.

Guiding Questions

- How big is the ecological footprint created by students in SMU?
- How many planets do we need if everyone lives like these students?
- In what ways are the students in SMU making up this ecological footprint size?
- What can students in SMU do to reduce ecological footprint?

Guiding Activities

[Describe here what phases of work will be undertaken.]

	Description of Work	Start and End Dates
Phase One	<ul style="list-style-type: none">• Measure everyone's ecological footprint in Southern Medical University (SMU)• Collect ways in which students consume natural resource	April 10-18
Phase Two	Sort out the results and analyzing possible effect on the earth	April 18-25
Phase Three	Surf the Internet for suggested solutions worldwide Put forward solutions to reduce ecological footprint in SMU	April 25-30
Phase Four	Test out the effect of the solution (and make modification if necessary), then publish the solution on the Internet	April 30-May 5

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Guiding Resources

- Invite everyone in SMU to fill out a **survey** (cf. <http://footprint.wwf.org.uk/>) to calculate their ecological footprint and collect ways in which students consume natural resource.
- Surf the Internet for some **effective methods** in reducing ecological footprints.
- **Interview** some students, teachers and managerial personnel in SMU to find information on students' consumption of natural resource and collect suggestions on how to reduce ecological footprints in SMU.
- **Collect data** on the effectiveness of the solution (evaluate the effectiveness of the solution).

Division of Project

		Responsibility
Group Leader	Serlina (陈泽璇)	<ul style="list-style-type: none">• Monitoring the operation of the whole project• Publishing the project and solution on the Internet
Group Member 1	Michael (马晓强)	<ul style="list-style-type: none">• Survey• Surf the Internet for suggested solution
Group Member 2	Jack (刘杰)	<ul style="list-style-type: none">• Interview• Invite people to try out the solution and collect feedback
Group Member 3	Cathy (张凯欣)	<ul style="list-style-type: none">• Data analysis• Producing the solution video