**Environmental Science: Chapter 14: Land and Chapter 15: Soil and Agriculture**

**Instructions:**

Develop an individual lab project (at-home or afterschool) to explore Land, Soil, and Agriculture. Use the rubric (attached) to construct a “mini-lab poster”. Your mini lab poster will summarize the scientific methodology you implemented throughout your independent investigation.

Choose from 1 of the following resources:

Explore Hydroponics. <http://www.projects.juliantrubin.com/science_fair_project/botany/hydroponics_1.html>

The Effect of Variations in a Hydroponic Environment on plant growth

[http://web.archive.org/web/20080516162643/http://share3.esd105.wednet.edu/mcmillend/02SciProj/CarissaH/CarissaH.html](http://web.archive.org/web/20080516162643/http:/share3.esd105.wednet.edu/mcmillend/02SciProj/CarissaH/CarissaH.html)

What’s in the soil? A study of Zinnia growth in four different soils.

<http://www.usc.edu/CSSF/History/2005/Projects/S1609.pdf>

The Effect of Cover Crop Growth Time on Its Effectiveness in Enhancing Plant Growth

<http://www.usc.edu/CSSF/History/2004/Projects/S1617.pdf>

Additional Resources:

Soil and Hydroponics, Science Fair Projects and Experiments, Topics, Ideas, Resources and Sample Projects

<http://www.juliantrubin.com/fairprojects/botany/soilshydroponics.html>

