As you observed in the video Strange Days on Planet Earth small changes, (invasive species or temperature changes) can have devastating effects to an ecosystem. This project you will research how temperature changes, invasive species or landscaping choices affect ecosystems in Arizona.

1. Investigate the effects of higher nighttime temperatures or heat islands on the ecosystem around Phoenix and surrounding areas.

3 points

* 1. Research how the temperature has changed over the last 50 years.
		1. Night time
		2. Day time
		3. Morning

6 points

* 1. What are the effects to animals and native plants?
	2. How does it affect energy use during the summer?

 6 points

* 1. Explain current research that is being done to combat the problem?
	2. What kind of new technology could be used in building materials, architecture, city planning and transportation to alleviate the problem?
	3. Explain what the technology is, how it works and what it hopes to accomplish.

You need to include citations

Websites to get you started

Temperature effects

<http://dcdc.asu.edu/research/impactofUHI.pdf>

<http://www.ibpsa.us/pub/simbuild2010/papers/SB10-DOC-TS05A-01-Rosheidat.pdf>

<http://azstarnet.com/news/science/environment/article_976f6920-74b4-5241-8a51-b40e1e605d44.html>

<http://www.appinsys.com/GlobalWarming/Phoenix_UrbanHeat.htm>

<http://www.asprs.org/publications/pers/2005journal/may/2005_may_613-621.pdf>