Video resource created by <https://ourclimateourfuture.org/impacts>

**Climate Change Notes:**

Focused on our impact and our ability to be part of the solution.

Giant thermostat CO2

"Living large"   Living in a way that requires a lot of energy. – carbon footprint – food, materials to make stuff, fuel to drive around, dump your stuff.  SPACE means RESOURCES  - we use 3 x the resources than rest of the world.  Cooler if you buy more.  LIVING LARGE takes a lot of energy.  - electricity and transportation.

80% of energy we currently from fossil fuels – coal , oil, natural gas

Downsides of using fossil fuels:

Polluted drinking water

Nonrenewable

Using them increasing CO2

Political tensions

Greenhouse gases keep the temperatures just right on earth.

Big sudden changes in temperatures – volcanoes, meteorites, HUMANS

Evidence – gases trapped in ice cores

Burning fossil fuels to produce electricity and move ourselves the by product is Co2 and water.

Carbon cycle keep carbon in check – forest, oceans, soil.  "Carbon Sinks"

CO2 and temperature Models

Image from NASA Climate Change Website.

INSERT!!!!

Temp Model

Positive Feedback Loop – Ice melting, less reflecting, …

CARBON PARTY.

 Methane – 80% as powerful at trapping heat.

97% climate scientist agree on climate change  causes and effects

What can I do as a teenager?