**
Energy, Water, & Safety**

**The world of Energy, Water & Safety is concerned with major issues such as climate change and adequate food and drinking water supplies for everyone. That requires sustainable and renewable energy. It takes a lot of water and energy to put a dinner on your plate! Climate change also requires us to develop new water retention technologies as droughts and floods will become more common. All of this for trees, plants and animals to grow.**

* **Energy**

A different, more sustainable way of energy production is important for the future of our earth.

More and more green energy is being generated by making use of the power of nature, like wind, water and sunlight. Would you like to work in a greenhouse with transparent solar cells in the glass roof? Or on a wind farm that generates energy for households in the city? Perhaps you could develop lamps that burn on plant energy or make green energy from organic waste? Or figure out how to produce a climate-neutral piece of meat without fertilizer and supplements?

Our soil and trees have an enormous capacity to store CO2 and convert it into oxygen. Could you get involved with agricultural entrepreneurs who play their part in dealing with the challenges of climate change?

* **Water**

Water will become increasingly scarce and precious in the future. When rainwater becomes scarce, harvests might easier fail. That’s why we’re looking for ways to retain water longer in the fields. Purifying and reusing water is another way to use water wisely. For instance, plants can help clean the water by simply allowing microorganisms to continue living there.

Would you like to contribute to water purification? Could you help us preserve our landscapes? Or would you prefer to focus on underwater life?

* **Safety**

In addition to sufficient food, water, energy, and natural environments, food safety is vitally important. New technologies can detect viruses better and laboratories monitor food quality. Would you like to work in food safety?

Viruses from nature can be spread by humans, sometimes with disastrous consequences. Will you help to prevent that? Or will you focus on creating an infrastructure in which water, the environment, and the generation of energy are in balance?

***You are committed to providing enough water, sustainable energy, and food for everyone, so we can all live safe and healthy lives.*** 