

A) Value Conservation – ACTION PACK INQUIRY SUMMARY

C1-TRANSPORTATION- How does our choice in transportation impact other people and the environment? Students learn about greenhouse gasses, fossil fuels and our carbon footprints. Students then reflect on 4 days of travel, calculate their emissions produced, and brainstorm how they could have travelled differently.

C2- PAPER CUTS- How does the paper and forest industry impact people and the environment? Students learn about the forestry industry and their practices and impacts, along with some consumer choices. They then students track and calculate how much paper they dispose of daily and monthly and brainstorm ways to reduce their paper use.

C3- BRIGHT ENERGY- How do our lighting and energy choices impact people and the environment? Students learn about different forms of energy and their impacts and uses, and also how to be more energy efficient. Students then test how efficient their lighting is, how many lights are found on over 4 days, and then the energy saved once they were aware to turn them off over 4 days.

C4- SAVING WATER- How does human water usage affect global sustainability? Students learn about water waste, scarcity, and privatization and then track their household water usage for 4 days and brainstorm ways to reduce it.

C5- BEING CHILL - HEATING UP- How does heating and cooling our homes impact people and the environment? Students learn about fossil fuels and different forms or energy, 'fracking' and effective ways to heat and cool your home. They will then assess the efficiency of heating their home.

C6- OCEANWISE- How do our fishing practices impact the planet? Students learn sustainable seafood, fishing practices, health implications of fish and aquaculture. Students then look at a few different types of seafood and compare sustainable types, places harvested and harvest methods.

C7- ALL THAT GLITTERS- How does the mining industry impact people and the environment? Students learn about mining practices and processes, environmental and social impacts, and look at some global case-studies. Students then examine a metal, how often they use it, and explore the typical extraction process and impacts of that process, then ways to reduce the use of this resource.

C8- OIL- How does our current extraction, transportation and consumption of oil impact people and the environment? Students learn about climate change, pros and cons of different forms of energy, and impacts of oil use and transportation. Students then track the petroleum products they interact with in a day, look at what it was made of before and brainstorm alternatives.