

Planet Protectors

1. **DESCRIPTION:** Teams will be assessed on their knowledge of human interaction with the earth, including interacting positively and negatively with the environment, resource use, and consequences of these interactions.
2. **ESSENTIAL STANDARDS ALIGNMENT:** 1.L.1, 4.L.1
3. **TEAM OF UP TO:** 2
4. **MAXIMUM TIME:** 60 min.
5. **TEAMS:** Must bring writing instruments.
6. **EVENT LEADERS:** Will provide a hands-on event with all necessary items, objects, materials, questions, and response sheets for participants to complete stations.
7. **SAFETY REQUIREMENTS:** None.
8. **IMPOUND:** No
9. **THE COMPETITION:** This event will be run in a station format. Teams will rotate through stations that assess any or all of the following topics:
 - a. Helpful interactions with the earth such as reducing, reusing, repurposing, recycling, or composting.
 - b. Harmful interactions with the earth such as strip mining, deforestation, overconsumption, overpopulation, and bycatching.
 - c. Renewable vs. non-renewable resources.
 - d. Energy sources: Coal, Petroleum, Nuclear, Solar, Wind, Wave, Geothermal, Biomass, and Hydroelectric.
 - e. Point and non-point pollution including air, water, ground water, and light.
 - f. Best practices for conservation and pollution prevention.
 - g. Consequences of not using best practices, especially the Great Pacific Garbage Patch, ozone layer depletion, ocean acidification, loss of biodiversity, and climate change.
10. **SCORING:** Points will be awarded for the accuracy of responses. Ties will be broken by the accuracy or quality of answers to pre-selected questions chosen by the event leader.
11. **EVENT RESOURCES:**
See the Event Resources tab on our website at www.sciencenc.com for instructions, videos and more.