



Oxford City Schools

# Proficiency Scale

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**GRADE LEVEL: 12      COURSE NAME: Environmental Science**  
**MEASUREMENT TOPIC: Evaluate the Effects of Human Activities on Earth's Systems**

**4**

In addition to Score 3, the student makes in-depth inferences and applications.

**3**

The student can:

- **Construct or revise a claim based on evidence of the effects of human activities on Earth's systems, natural resources, and ecosystem services.**
- **Use engineering practices to evaluate and refine a current solution designed to protect natural resources from anthropogenic sources of atmospheric, terrestrial, or aquatic pollution.**

**2**

The student can:

- **Evaluate published information from computational models which illustrate the effects of an increase in atmospheric carbon dioxide on photosynthesis and the effect of ocean acidification on marine populations.**

**1**

With help, a partial understanding of some of the simpler details and processes and some of the more complex ideas and processes.

**Key Vocabulary:**