

## ***Activity name: Modeling Exponential Growth***

This activity is meant to provide a real-world application of the ATEEC Recommended Core Curriculum's math, science, technical, communications, or critical thinking knowledge and skill concepts, which have been identified by the ATEEC Fellows as necessary preparation for environmental technology occupations.

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*Appropriate for which course(s)?* Environmental Science/Biology

*Concept/skill learned:* Interpret and apply exponential relationships (math).

*Approximate time to complete activity:*

*Source of idea or activity:* John Christensen, Global Science; Kendall-Hunt; 1984.

*Materials/resources needed:* 1400 cubes (cut from painted wood boards); graph paper: standard and 2-cycle semi-log.

*Description of activity:* Students begin with 10 dice and use techniques to allow population to grow to 500. Then techniques are applied to population of 100 to show limited birth control, zero population growth, and negative population growth.

Activity submitted by Babe Willey

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