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**TOMORROW Environmental Education Program**

TOMORROW Magazine Volume 1: Houston 2035

**CURRICULUM GUIDE**

**Online version**

All of these materials, including copies of the magazines as pdf's, are available online. We will continue adding content over time for this and future issues of the magazine:  
<http://education.houstontomorrow.org>

**Class Set of the Magazine**

Crossley, David, editor. "TOMORROW: Houston 2035, Volume 1." Gulf Coast Institute. Summer 2006

**PPT Lecture Presentation**

The material in this lecture presentation includes background information on human populations, land use, and sustainability as well as the content from the magazine.

**Student Activities**

**Tomorrow: Houston 2035, Volume 1 - Read and Question**

This written activity asks the student to summarize and analyze the content in the magazine. An answer key is provided.

Environmental Systems <b>TEKS</b> Correlation	<b>5A</b> summarize methods of land use and management <b>7D</b> analyze and make predictions about the impact on populations of geographic locales, natural events, diseases, and birth and death rates
<b>NAAEE</b> Standards Correlation	<b>Strand 2</b> Knowledge of Environmental Processes and Systems <b>2.3</b> Humans and Their Societies <b>Strand 3</b> Skills For Analyzing and Addressing Environmental Issues

**Land Use Priority Pyramid**

This hands-on activity asks the students to discuss the relative importance of different types of land use. In small group or class discussion, students are asked to justify their opinions.

Environmental Systems <b>TEKS</b> Correlation	<b>5A</b> summarize methods of land use and management
<b>NAAEE</b> Standards Correlation	<b>Strand 2</b> Knowledge of Environmental Processes and Systems <b>2.3</b> Humans and Their Societies

**Socratic Seminar: General Instructions**

These general instructions introduce leaders and participants to Socratic Seminars, including background information, guidelines, and a rubric for evaluating student participation.

**Socratic Seminar: What Direction Should Urban Planning take for the Houston Area?**

Urban planning content is presented and leader questions are provided for a Socratic Seminar. Articles representing different points of view are available for participant readings.

Environmental Systems <b>TEKS</b> Correlation	<b>3C</b> evaluate the impact of research on scientific thought, society, and the environment <b>3D</b> describe the connection between environmental science and future careers
<b>NAAEE</b> Standards Correlation	<b>Strand 1</b> Questioning, Analysis, and Interpretation Skills A Questioning D Evaluating accuracy and reliability G Drawing conclusions and developing explanations <b>Strand 2</b> Knowledge of Environmental Processes and Systems 2.3 Humans and Their Societies <b>Strand 3</b> Skills For Analyzing and Addressing Environmental Issues

### Comparative Age Structure Diagram

This graphing activity invites students to construct age structure diagrams for the Houston region and make comparison with diagrams for the state and country.

Environmental Systems <b>TEKS</b> Correlation	<b>7A</b> relate carrying capacity to population dynamics <b>7D</b> analyze and make predictions about the impact on populations of geographic locales, natural events, diseases, and birth and death rates
<b>NAAEE</b> Standards Correlation	<b>Strand 2</b> Knowledge of Environmental Processes and Systems 2.2A Organisms, Populations and Communities

### Curriculum User Survey

A brief survey is provided in hardcopy or online to obtain feedback from teachers utilizing the materials. The program is free to Houston area teachers to use in their classrooms, and our only request is that they fill out these surveys to help us improve the program over time. Feedback will be utilized to analyze the effectiveness of the lessons and in the development of further content. The surveys also provide documentation for funders.

### Resources for Houston Regional Extension Activities

Houston-Galveston Area Council

#### Bridging Our Communities: The 2035 Houston-Galveston Regional Transportation Plan

<http://www.2035plan.org/>

Center for Houston's Future

#### Counting on the Quality of Life: An Environment Indicator Report

<http://www.centerforhoustonfuture.org/cmsFiles/Files/EnvironmentIndicator1.pdf>

#### Houston Wilderness website

<http://www.houstonwilderness.org>

National Biological Information Infrastructure

#### Geographic Perspectives\_Central Southwest and Gulf Coast Region

<http://tinyurl.com/d8obxs>

American Forests

#### Urban Ecosystem Analysis for the Houston Gulf Coast Region

[http://www.americanforests.org/downloads/rea/AF\\_Houston.pdf](http://www.americanforests.org/downloads/rea/AF_Houston.pdf)

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