**Standards**

|  |  |
| --- | --- |
| **TEKS for Middle School Science** | **How the TEKS are Integrated into the Lesson** |
| **(7.11)** The student knows that the responses of organisms are caused by internal or external stimuli. | Through the section on **Indoor and Outdoor pollutants,** students will analyze changes in organisms such as fever and vomiting that may result from internal or external stimuli. |
| **(8.5)**The student knows that relationships exist between science and technology. | Through the **Activity,** students will identify a problem and propose a solution. |
| **(8.11)** The student knows that traits of species can change through generations and that the instructions for traits are contained in the genetic material of the organisms. | Through the section on **Outdoor pollutants,** students will identify that changes in environmental conditions such as high ozone levels can affect the survival of individuals and cause mutations such as cancer. |
| **(8.14)** The student knows that natural events and human activities can alter Earth systems. | During the section on **Outdoor pollutants,** students will understand the effects human activities have on modifying the air quality. |

|  |  |
| --- | --- |
| **TEKS for Middle School Technology (Grades 6-8)** | **How the TEKS are Integrated into the Lesson** |
| **Foundations**  The student demonstrates knowledge and appropriate use of hardware components, software programs, and their connections. | Throughout the lesson, students will use terminology including, but not limited to, World Wide Web (WWW), link, Internet, Uniform Resource Locators (URLs), and web page. |
| **Foundations**  The student uses data input skills appropriate to the task. | Students will demonstrate proficient use of the mouse and keyboard, as they navigate through the lesson and related web pages. |
| **Foundations**  The student complies with the laws and examines the issues regarding the use of technology in society. | While following links on the Internet and using the World Wide Web (WWW), the student will demonstrate proper etiquette and knowledge of acceptable computer use in the classroom or lab. |
| **Solving Problems**  The student uses research skills and electronic communication, with appropriate supervision, to create new knowledge. | During the **Activity,** students will use technology in self-directed activities by sharing products for defined audiences. |