

Overview

PowerKnowledge Earth and Space Science provides information on earth and space science geared to science learners in grades 3 to 6 and their teachers. Additional content includes videos, interactive games and quizzes, hands-on science experiments and lesson plans. Topics include ecosystems and biomes, energy and matter, maps, natural disasters, environmental issues, space, weather and climate, and more. Unique features include:

- The Visual Browse option, which allows you easily browse a topic.
- Text Search Results and Media Search Results, which allows you to view your search in two easy ways.
- A Text-to-Speech option, which offers new readers and English language learners the ability to listen to the text as it is read aloud.
- Videos that bring the content to life and support visual learners.

Details

Browsing

- On the home screen, click one of the **categories** on the left side of the screen. Example of these categories are Earth Cycles, Ecosystems and Biomes, Energy and Matter, etc.
- Once you have selected a category, subcategories and articles will be displayed in a column.
- Clicking on a **subcategory** will open another level of articles and subcategories.
- Articles are displayed with an image and a title. Click on the article title to view the first section of that article.
- To return to the home screen from any page, click the database logo at the upper left of the screen.

Text Search Results and Media Search Results

- Search for an article from any page using the **search box** in the upper right corner.
- Type in your search term(s) and click on the **magnifying glass**.
- Your search results will be display in two ways. **Text search** results will appear on the left side of the screen. **Media search** results, which include images, video, and audio files, will appear on the right side of the screen.
- Click on the title of an article or an image to view its contents.

Text-to-Speech

- From an Article page, click the Listen button at the top of the article section or click on text in an article and clicking the pop-up button.
- You will hear the article being read to you with word-by-word highlighting.
- From the Player control box, you can change the settings of the text-to-speech feature or download an audio file of the article.
 - Click on the Setting link and choose whether you want the text highlighting option, to change the speed of the reading, and to select a male or female voice.
 - The “No Sound” link can be used to download an mp3 file of the audio for that article section.

Videos

- When you see a video in *PowerKnowledge Earth and Space Science*, click on it or select the play icon from the video controls displayed along the bottom of the video.
- The video controls include play/pause, stop, full screen mode, and volume.

Additional Features You Might Like

- **Science Fair Projects and Activities** will help users learn the detailed steps of the Scientific Method and how to create a science fair project. Click the icon on the home screen or in the lower left column of any article screen.
- **Games** reinforce skills and Life Science content. To play, click the Play Games icon on the home screen or in the lower left column of any article screen.

More Information

- *PowerKnowledge Earth and Space Science* Site Help
 - <http://www.pkearthandspace.com/static/sitehelp>
- To correctly use the **Text to Speech** feature and the **Games** feature, your computer needs the free Adobe Flash Player. To download and install Adobe Flash Player, go to: <http://get.adobe.com/flashplayer/>