



More than pretty postcards: Landsat imagery is used for studying, understanding and managing natural resources, agriculture, disasters, industry, forestry, human health, climate, energy, urban growth, and ecosystems and biodiversity. The next satellite in the series, Landsat 9, is scheduled to launch in 2020.

# Exploring AMERICA with LANDSAT

**Landsat** satellites have been acquiring meaningful and inspiring images since 1972, creating the longest continuous space-based record of Earth's land in existence. The captivating colors and textures of Earth's varied landscapes inspired the front of this poster. From top to bottom: The folds of the Appalachian Mountains appear red in this false color image as the dark line of the Susquehanna River crosses the mountains and farms of southeastern Pennsylvania. Kansas fields watered by center pivot irrigation appear as giant green circles. Utah's exquisite Canyonlands National Park features the winding Colorado and Green Rivers amid the landscape's vibrant yellow and gold colors. Deltas at the mouth of the Atchafalaya River and the Wax Lake outlet appear bright blue and green. These are just four incredible Landsat images from an archive of over 7 million. View other Landsat images from around the world from NASA <https://landsat.visibleearth.nasa.gov> and from USGS at <https://eros.usgs.gov/imagegallery>. Which images will inspire you?

**How Landsat Helps**  
These Landsat images are more than pretty pictures. Landsat's global coverage and an archive of more than 45-years of images allow users to detect, monitor, and understand changes to Earth's land and coastal regions. These changes are happening faster than ever before. Landsat's data record enables individual users to study current and historic changes across the landscape—for an entire state, region, or country. Landsat data are available at no charge from the USGS for you to download and make your own images—visit <https://landsat.usgs.gov/landsat-data-access>.

**National Trails System**  
The *Exploring America with Landsat* game was inspired by the 50th Anniversary of the National Trails System. Learn more about these trails and how you can visit them at <https://go.usa.gov/xQNCz>.

**Earth Observation Day**  
If you love this game, visit <http://bit.ly/AVEOD> for additional images and materials for extended game play, a downloadable copy of the game board, and Landsat imagery puzzles. You can also learn more about AmericaView's Earth Observation Day, which celebrates remote sensing and Earth science by providing many resources on remote sensing technology including demonstrations, lectures, discussions, student projects, and mapathons. AmericaView is a national non-profit organization comprising scientists, researchers, educators, and students who use remote sensing data and technology to study phenomena on the surface of the Earth and share knowledge to help people better understand the world in which they live. Visit [www.americaview.org](http://www.americaview.org) to learn more.

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**How to Play**    PLAYERS: 2-4    TIME: 20-30 minutes    AGES: 7+

**Materials:**

- 1 playing piece for each player
- 4 markers for each player (such as coins or colored paper)
- Deck of playing cards

**Set up:**

- Place all playing pieces at the Gateway Arch symbol.
- Deal 4 cards to each player - remaining cards are the draw pile.
- Draw cards to see who goes first, lowest card goes first.

**Game play:**  
Each turn, a player draws one card and plays one card. Players move their pieces along rivers and trails landing on the white circles. Red cards allow players to move along a trail (red lines) and black cards to move along a river (aqua lines). Each numbered card (2-10) allows for moving one space and the ace and face cards allow for moving 2 spaces. Either black or red cards can be used on routes with both trails and rivers (red and aqua lines).

**Claiming a location**  
To claim a location, a player must land on a lettered space at the end of their turn and place one of their markers on the image with the same letter. Each location can only be claimed by one player. There are 4 lettered locations in each region (grouped by color).

**Winning the Game:**  
First person to claim a location in each region wins.

**Customize your Game:**  
Download more images to customize your game. Visit: <https://landsat.gsfc.nasa.gov/ESW2018>