

5 C's in Arizona

Copper

This is a photograph of a copper mine in Arizona. Copper has been an important part of Arizona's history for a long time. Native Americans dug for the metal to make tools and jewelry. Later, the Spanish and Americans began mining the mineral. Copper mining continues to be one of the biggest industries in the state today.



Cattle

The Spanish brought the first cattle to Arizona over 300 years ago. Today, cattle ranching continues to be an important part of Arizona's farm economy. Arizona beef is considered some of the best in the country. Farmers ship beef throughout the United States and the rest of the world. Many farmers also raise dairy cows. These cows provide milk to make butter, cream and other dairy products.



Cotton

This is a photograph of cotton plants that are grown in Arizona. The state is one of the leading producers of cotton in the United States. Beginning in the early 1900s, farmers in Arizona began growing cotton. Nothing goes to waste with a cotton plant. Everything from the cotton ball to the stalk and seeds is used to manufacture everything from clothing to Q-tips.



Citrus

This is a photograph of lemons and tangerines. These are just some of the different kinds of citrus fruit grown in Arizona. Citrus fruit is fruit grown on trees and bushes. The hot, dry climate of Arizona is perfect for growing these kinds of fruits.



Climate

This is a photograph of a typical day in Arizona. Arizona's climate is dry and hot. Very little rain falls in Arizona except during the summer. This is called summer thunderstorm season and it is when some of the heaviest rain falls. But the climate of Arizona has helped the state to develop important industries such as cotton and citrus that have helped the state economy to grow.



Natural Resources and Arizona's Economy

This is the state seal of Arizona. A state seal is an official document. It also can stand as a symbol of a state. The Arizona state seal shows symbols of the 5Cs that are important to the state's economy. In the center of the symbol, there is picture of a mountain range, a sun, and a miner. The mountain range symbolizes farming. The sun symbolizes climate in Arizona. The miner symbolizes the importance of mining copper and other minerals in Arizona.



<https://azsos.gov/about-office/great-seal-arizona>

This is a photograph of a copper mine found in Arizona. Did you know that Arizona is known as the Copper State? This is because copper is one of Arizona's most valuable resources. Copper is important because it is used to make many different product, such as batteries, electrical and building equipment. This is because copper can hold electricity and heat very well. Arizona mines produce more copper than any other state in the country. To mine copper, miners have to dig deep into the ground. There are 10 major copper mines in Arizona. These mines produce 23 to 632 million pounds of copper per year.



https://en.wikipedia.org/wiki/Morenci_mine#/media/File:Morenci_Mine_2012.jpg

This is a photograph of cattle on a ranch in Arizona. Cattle are important because they provide meat and dairy products for people. In 2018, over 1,000,000 cows and calves were raised in Arizona. Cattle need a lot of land to live on! In Arizona, almost 73 percent of the land is used for grazing. Grazing is one way that farmers feed livestock. It is done on land that is not good for growing other types of crops. When animals graze, they eat grasses or other vegetation in a certain area.



<https://www.estrella.com/blog/posts-by-date/2018/february/the-five-c-s-of-arizona/>

Natural Resources and Arizona's Economy

This is a photograph of the Morenci Mine, the largest copper mine in Arizona. It is also one of the largest copper mines in the United States and the world. The mine has been in operation since 1872. The Morenci Mine is an open-pit mine. An open-pit mine consists of a very large hole dug into the ground. Then minerals such as copper are removed by digging along the walls of the pit. This is different from other types of mining that often dig deep tunnels underground to remove minerals. The Morenci Mine is about 1.5 miles long and 1.3 miles wide and is made up of three large pits.



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This photograph shows an area of grasslands found in Arizona. Grasslands are very important to raising cattle. This is because cattle eat the grass. The problem is that grasslands have been disappearing. This is because cattle and sheep have eaten the grasslands. As a result, there is less grass to eat. Ranchers and farmers are helping the grasslands to grow back again. Building construction has also hurt the grasslands because it means there is less land for animals to graze on. Without grasslands, cattle won't have food to eat and may die.



<https://www.knau.org/post/earth-notes-restoring-arizona-s-grasslands>

Natural Resources and Arizona's Economy

This is a photograph of a cotton field in Arizona. Cotton is one of the top three crops grown in the state. Did you know that enough cotton is grown to make more than one pair of jeans for every person in the United States? Arizona cotton is known for its white color and very high quality. Most of the state's cotton is planted in February and March. It takes about six months for a crop to grow before it is ready for harvest.



<https://www.estrella.com/blog/posts-by-date/2018/february/the-five-c-s-of-arizona/>

This is a photograph taken from the air of some cotton fields in Arizona. Growing cotton in Arizona dates back more than 400 years. When the Spanish first came to Arizona, they noticed that some Native American groups grew cotton. On average, more than 100,000 acres of cotton are planted every year in the state. Today, cotton is mostly grown in 15 Arizona counties. Cotton continues to be an important crop for the states. However, people are worried because growing cotton uses a lot of water. Today, scientists and farmers are working to find ways to use water more responsibly



<https://projects.propublica.org/killing-the-colorado/story/arizona-cotton-drought-crisis>

This is a picture of some citrus fields in Arizona. Arizona is one of only four states that grow citrus in the United States. Citrus farmers grow oranges, grapefruits and lemons. Citrus fruits were introduced to Arizona during the 18th century by the Spanish.



<https://www.estrella.com/blog/posts-by-date/2018/february/the-five-c-s-of-arizona/>

Natural Resources and Arizona's Economy

Citrus crops are mostly found in the Yuma, Maricopa, Pinal and Mohave counties. This is because these areas do not experience cold weather and frost. Cold weather and frost can kill citrus plants and trees.



<https://2secondstreet.files.wordpress.com/2016/07/arizona-citrus-two-second-street-www-twosecondstreet-com.jpg?w=640>

This is a photograph of an Arizona desert during the day. Arizona has more than 300 days of sunshine every year. Lots of sunshine means certain crops such as citrus and cotton will grow well in Arizona. The warm temperatures too attract many visitors who during the winter months to enjoy Arizona's climate. Arizona's climate then is very important in growing the economy of the state. This means that certain industries will help make money for the state.



<https://sites.google.com/site/alewisarizona/climate-and-geography>

This is a photograph of a wildfire in Arizona. A wildfire is a large fire that is very difficult to put out. Wildfires start in landscapes with trees or other vegetation. Arizona has had many wildfires. When there is little rain, there is a greater chance of a wildfire starting. These fires can be started by nature, such as a lightning strike on a dry tree. They can also be started by humans who do not put out a fire properly. These fires can burn thousands of acres. For example, a 2018 fire known as the "Tinder Fire" in northern Arizona burned more than 16,000 acres. Dozens of structures were damaged or destroyed. Today, conservation experts research ways to prevent wildfires from happening as often.



<https://ktar.com/story/1625493/smoke-on-the-horizon-a-map-of-wildfires-burning-in-arizona/>

Steps to Make a Youtube Episode

Step 1: Learn about the 5 C's of Arizona

- Read the information on the handout called “Natural Resources and Arizona’s Economy.” Then, answer the questions below.
- How do each of the 5 C's positively impact Arizona's Economy?
 - Copper
 - Cattle
 - Cotton
 - Citrus
 - Climate
- How does Arizona's location impact each of the 5 C's?

Closing

The closing of your video should wrap up what you have taught your viewers. You can also tell viewers what they will see in upcoming vlog or invite viewers to write in with questions. Write 2 or 3 sentences that you can use for the closing of your video below:

Step 3: Record Your Video!

Use your script, a tablet or smart phone, and the tips on the handout: Tips for Recoding a Video to create your Youtube Episode!

How to Record a Youtube Video Like a Professional

Have Good Eye Contact

Make sure that you are looking at the camera. You should make eye contact and not look down at your notes the whole time.



Speak Loudly

Make sure you talk loudly so the camera's microphone can record your voice. If you talk too quietly, people won't be able to hear you.



Speak Clearly

When people are nervous, they might talk faster than they normally would. Make sure you talk slowly enough so people can understand you. If you're not sure if you're speaking clearly enough, ask a friend to listen to you practice.



Providing Professional Feedback

Person you are providing feedback for:

What was your favorite part about the video?

Did the vlog hold your attention? Why or why not?

What do you think the main point of the video is? Is the message clear?

Do you have any other recommendations?