

AI for Young Explorers: Use Computer Vision Like a Scientist!

What is a **fossil**?

Any evidence of a once living organism that is more than 10,000 years old.
This can include bones, teeth, shells, leaves, burrows, and more.



Extinct Llama Femur



Lemon Shark Tooth



Scallop Shell



Palm Leaf

All of these fossils were found in Florida!

How do paleontologists **organize** fossils?



Imagine you are a paleontologist that just got back from a successful day of collecting fossils. Now your job is to organize these fossils to store them in your museum for future research.

How are you going to organize your fossils?

Functional Morphology

How do paleontologists **organize** fossils?

Grasping



Sand Tiger Shark

Cutting



Requiem Shark

Crushing



Eagle Ray

Computer Vision with Google Teachable Machine

Teachable Machine

The screenshot shows the Teachable Machine interface with three training categories: Cutting, Grasping, and Crushing. Each category has a '50 Image Samples' section with 'Webcam' and 'Upload' buttons. A 'Training' section with a 'Train Model' button is visible, along with a 'Preview' section that says 'You must train a model on the left before you can preview it here.'