SPECIMENS FOR SCIENCE

Using stereo microscopes, students make observations of microscopic specimens. Once all the material has been observed, students package their specimens which will be sent to a university or institute laboratory for analysis. SharkFinder® also provides students the opportunity to use this experience to further their independent research, design science fair entries, create MakerSpace projects and more!

GET INVOLVED

You can get involved as a classroom teacher or volunteer as a SharkFinder® facilitator. Sign up and training will be provided! For more information about SharkFinder® STEAM Citizen Science, call the ECISD Innovation Department at 432-456-0999.

www.pickedu.com/sharkfinderatco

ECISD Innovation

PICK EDUCATION

Paleo Quest

Martin Marietta

SMU

Dallas Paleontological Society

UTPB

www.PICKedu.com

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SHARKFINDER®

STEAM CITIZEN SCIENCE
PROGRAM *PRE-K THROUGH 12*

Recognized by the White House Office of Science and Technology Policy, Nature, Science, Scientific American, The Hill and Voice of America.

Find a new species

or first occurrence of a species. Work with unsearched fossil media to find shark, ray and skate teeth from ocean sediments that date back millions of years. And, if you make a scientifically significant discovery, you get the credit!

MAKING SCIENTIFIC DISCOVERIES

SPECIMENS FOR SCIENCE

Increases student **attendance**

Creates high impact student **engagement**

Ignites **curiosity** and **discovery**

Promotes **innovative** teaching & learning

Contributes to scientific **research**

Brings everyone closer **together**

SharkFinder® leads students and educators on a scientific exploration as they discover more about paleontology and geology all while contributing data to the science community. SharkFinder® allows citizen scientists the opportunity to search through highly concentrated fossil-bearing media to find and report on shark fossils. Each discovery is then sent to our paleontology partners at a university or institute. When a participant of the SharkFinder® program finds a scientifically significant fossil specimen, they are acknowledged by name in the resulting professional publication.

Once the findings are published, the fossils are donated to a university or museum. This one-of-a-kind collection will continue to provide important scientific data to researchers for years to come.

FIELD WORK IN CLASS

Students learn how to work as a field scientist by getting their hands dirty and preparing the fossil matrix for investigation. Using the same tools as paleontologists, students sieve matrix to separate sediment from fossils. During the data collection process, SharkFinder® allows students to make fun and engaging connections to math, reading, social studies and science.

FOSSIL INVESTIGATION

The thrill of discovery through technology happens when students identify fossils and interesting specimens using digital microscopes. Digital Images are projected onto an iPad which allows student researchers to see details to help make clearer observations and classify findings.