

TEACHERS
Serving
TEACHERS!®

Tooth and Claw Molds

FSL-100 / 105 / 110 / 120 / 130 / 150

Materials included:

- Rubber seam line mold (2 halves)
- Rubber bands
- Instructions

Materials not included:

- Casting medium (PerfectCast (FSL-310) or Plaster of Paris)
- Tablespoon or measuring spoon
- Mixing container (paper or plastic cups work well)
- Mixing utensil (popsicle stick or spoon)
- Water
- Nail file (optional)



Instructions:

- 1.** Fit the two pieces of the mold together in the correct position and secure the two halves together with rubber bands.
- 2.** Into a disposable cup or container, measure approximately 2.5 tablespoons of cool water. Add 6 tablespoons of casting medium. (Please refer to the instructions for the casting medium for exact measurements.) Immediately stir until the mixture is evenly mixed and smooth (~1/2 minutes). Tap the cup on the table a few times to bring any bubbles in the mixture to the surface.
- 3.** Fill the mold through the small hole to the top with the casting mixture. Tap the mold lightly on a table, tilting it in all directions to dislodge any air bubbles from the sides of the mold and bring them to the top of the mixture. Do not pour any extra casting mixture down the drain! The extra plaster and the cup should be thrown in the trash. Wash the mixing utensil and measuring spoon before the mixture hardens.
- 4.** Let the filled mold sit undisturbed for at least 30 minutes, or until the cast is warm and hard. After the mixture hardens, carefully separate the sides of the mold and very carefully remove the cast. (Note that the plaster has not fully dried, and may still be slightly soft.)
- 5.** Carefully break off the funnel-shaped projection (spur) from the top of the cast. File away any seam lines where the mold came together. Let your fossil replica dry completely before finishing.
- 6.** To finish your fossil replica, paint or stain it with earth tones (browns or black). We have found that brown shoe polish works extremely well. Simply rub on a heavy coat with a cloth, then rub off. Buffing afterwards will bring out a slight shine and give the appearance of natural weathered bone. You may also try staining your fossil with dark colored wood stains or even tea.



NGSS Correlations

Our Tooth and Claw Molds and these lesson ideas will support your students' understanding of these Next Generation Science Standards (NGSS):

Suggested Science Idea(s)

4-ESS1-1 • MS-ESS1-4 • MS-LS1-3 • MS-LS4-1 •
MS-LS4-2 • HS-ESS1-4 • HS-LS4-5

Students can use the Tooth and Claw molds as part of an investigation to gather information and evidence to support claims for early life in the Geologic History of Earth.

Students can use the Tooth and Claw molds and plaster to make their own fossil reproductions. This will allow students to manipulate the body part to make predictions about the animal.

** NGSS is a registered trademark of Achieve. Neither Achieve nor the lead states and partners that developed the Next Generation Science Standards were involved in the production of, and do not endorse, this product.*



Take Your Lesson Further

As science teachers ourselves, we know how much effort goes into preparing lessons. For us, “*Teachers Serving Teachers*” isn’t just a slogan—it’s our promise to you!

Please visit our website
for more lesson ideas:

www.TeacherSource.com

Check our blog for classroom-tested
teaching plans on dozens of topics:

<http://blog.TeacherSource.com>

To extend your lesson, consider these Educational Innovations products:

Perfect Casting Medium (FSL-310)

Far better than ordinary plaster, PerfectCast casting medium is the professional's choice for casting complex fossil replicas. Simply add water, PerfectCast dries as quickly as plaster of Paris and is five times as strong. It is AP non-toxic and reproduces details identical to the original mold.



Fossil Shark Teeth (RM-11A)

Our fossil shark teeth collection from Morocco is a fantastic chance for your students to own a piece of history at an amazing price. You will find various types of shark teeth in sizes ranging from juvenile sharks to adults. There are well over 300 fossils in each half-pound bag. Ideal for sorting and predicting activities.

FossilWorks Fossil Molding Kit (FSL-250)

Students can cast their own fossil replicas. Kit comes complete with six high-quality, reusable seamless rubber molds (ammonite, crinoid, trilobite, cave bear tooth, shark tooth, and raptor claw), two bags of PerfectCast casting medium, extensive background information on each fossil, and suggested activities for students. Introduce the Earth's history in a thrilling fashion with authentic fossil replicas your students can actually take home! Approx. 3-5 inches long each.



Fossil Sorting Kit (FSL-800)



Each two-pound bag typically contains more than 100 assorted fossils and also includes a sorting guide. This kit is perfect for introducing students to various organisms that existed over 400 million years ago! Sorting guide includes a picture of many of the fossils along with information about their approximate age and modern relatives. Kit typically contains fossilized ammonites, trilobites, coral, gastropods, and at least four others.