# Stegosaurus skeleton template

Advertisement.EnchantedLearning.com is a support area. As a bonus, site members have access to a banner-free version of the site, with printable pages. Click here to learn more. Stegosaurus was a large plant-eating dinosaur that had two rows of plates running along its back, plus long spikes on its tail. This ornithischian (bird-hipped) dinosaur lived at the end of the Jurassic period, 156-140 million years ago. Plates and spikes: Stegosaurus had 17 bone plates embedded in the back. The plates ran along Stegosaurus' back and tail in two rows, and the plates alternated in alignment. The function of these plates is uncertain. The plates were made of bones that were not solid, but were filled with pipe-like tunnels. The plates were probably well nourished by blood vessels, indicating that the plates may have been used to regulate the dinosaur's temperature. They may also have been used for protection or freering viewing purposes. Stegosaurus also had tail spikes at the end of its flexible tail. These spikes were up to four feet long and were used for protection against predators. Different species of Stegosaurus had different number of tail spikes; Stegosaurus ungulatis had 8 spikes and Stegosaurus stenops had 4 spikes. Anatomy: Stegosaurus measured up to 26-30 feet long (8-9 m), about 9 feet high (2.75 m), and weighed about 6,800 pounds (3,100 kg). The skull was long and narrow; It had a toothless beak and small cheek teeth. The head was carried near the ground, probably no more than 3 feet (1 m) high. Stegosaurus' hind legs were longer and straighter than the front legs, which sprawled out to the sides. The foreleg (feet on the front legs) had five short, wide toes with short, hoof-like tips. The rear feet had three short, wide toes with hooves. Fossils: Many fossils of Stegosaurus have been found in western North America, Western Europe, southern India, China and South Africa. The first Stegosaurus fossil was found in 1876 by M. P. Felch. Paleontologist Othniel C. Marsh named Stegosaurus in 1877. MakerBot Digital Store has really been churning out the unique, innovative designs that are too late. Whether it's a piece from the Martha Stewart Trellis Collection, Elmo from their Sesame Street Classic Collection, or some of their other unique, high-quality, 3D print-ready designs, the company is definitely on to something. Today, another design hits the MakerBot Digital Store; a design aimed at both hobbyists and teachers. 3D printable Stegosaurus Skeleton has been created by the MakerBot Design Team, after visiting the American Museum of Natural History in New York City. There they took pictures and studied the entire bone structure of this creature, which is sure to make quite a holiday gift to the dinosaur lover of your family. Discover the unique anatomy of Stegosaurus from the claws up when printing your own from the MakerBot Digital Store on MakerBot 3D printer, explained MakerBot. Include this model in biology or geology lessons to incorporate physical manipulative into teaching while introducing students to the basics of 3D printing. This stegosaurus skeleton measures an astonishing 458mm x 204mm x 286mm in dimensions when assembled, taking a total of 48 hours to 3D printing. It prints in 96 separate pieces, all of which must be mounted, complete. Fortunately, MakerBot provides the full installation instructions online. While the design files for this dinosaur are not free, they are priced at a relatively affordable $14.99. Once paid for, the design can be streamed directly to the MakerBot 3D printer. This would be a perfect classroom project for a lesson about dinosaurs, or just for those of us who love to put models together. The end result of this pressure is a stunning 1:20 scale model of one of the more popular dinosaurs to have walked this Earth around 150 million years ago. This is just another example of how MakerBot tries to use 3D printing in a way that can be integrated into a classroom environment. It should be interesting to see what other designs they will release in the coming year. When it comes to printing, MakerBot recommends using a MakerBot Replicator 3D printer, along with MakerBot Warm Gray, True Brown and Army Green PLA filament. What do you think of this incredible model? Do you have 3D printed one? Discuss in 3D Printable Stegosaurus Skeleton forum thread on 3DPB.com. Check out the video showing a 360 degree view of this model below. Below.