

Group: The Leftovers

Members: Hein Z., Tiffany C., Henry B.

First Basic Summary - Our group is making an **Amalgam assembly kit**. There will be many pieces with ambiguous shapes using a **slotting joint** that would allow them to connect and make an animal from the pieces. Each time someone looks at these pieces, they would be able to create a different animal, a spine for one could be a wing for another. The end goal of the kit is to create a skeleton of a fish like creature that may or may not have lived. (Do not use, kept this just in case prof wanted it to be documented)

Summary/story -

A San Jose State paleontologist team has recently discovered the final resting place for multiple ancient extinct species of fish. It is our duty as paleontologists to attempt to reconstruct the bones of these fish so that we could study and learn more about them. These fish were part of a genus that is famous for having strange adaptations.

Henry's fish moved like a water snake with its slinky body, but also had fins so if it needed to hunt, it could use them to gain speed. They laid their eggs in difficult conditions (not unlike the early life of turtle hatchlings), they were born with their fins so they had a higher chance of evading predators.

Tiffany's fish had large, sharp looking fins that were meant to scare off predators, but in reality were soft and used to help the fish for attracting mates. It would often use the pointed parts to draw designs in the sand to not only look for mates, but to mark its territory.

Hein's fish is one that used propeller like movement and directed itself with its tail. The sections of the fish were held together by cartilage and were theoretically able to rotate continually, propelling it forward. The thin frame allowed the fish to be extremely fast underwater. It would hunt by propelling itself so fast that it would pierce its prey.

Common Fastener - The fastener we are using is the **slotting joint**.

Material - We will be using wood, and will be painting each of the pieces. With the paint being added, the space between the wood and the fastener will be much smaller and help keep the piece together.

Design Set Specifics - Each cut out piece is about 0.25 - 0.5 inches deep so that they would be able to slot together. At one end, the shape is slightly smaller allowing it to hold easier

Instructions - Your goal, as an archaeologist is to reconstruct a fish that might have existed. The pieces come together by using a slotting joint. Your finished fish skeleton needs to at least have a head, fins, and a tail. Anything in between them is up to you! Use the pieces to create your very own prehistoric monster!