



Teacher's Guide for *Shout Trout Workout* comic

In *Shout Trout Workout*, you find a poetic story and three related activities.

Shout Trout Workout is a poetic comic designed to share knowledge with students about Brown trout (*Salmo trutta*), which live in rivers in Wales and much of Europe.

Many populations of Brown trout show anadromous migrations, which means that they are born in fresh waters, such as rivers, and migrate to the sea when they are young. Trout return to fresh waters as adults to lay their eggs. Trout also undergo amazing transformations as they move between fresh and salt waters. They change colour, their eyes get bigger, and their gills and kidneys adapt to being in fresh or salty water.

Most Trout (around 95%) won't make it through their first year, but for those that do, they have an epic journey to make! Migratory fish like Trout encounter many obstacles on their migration, including roads and dams that prohibit their movements between fresh and salt waters.

Like many other migratory fishes, Trout are important food sources for people in Europe and beyond. Because the Trout were historically important food sources and game species for fishers in Europe, the species has been intentionally (and probably unintentionally) introduced into many other regions around the world.

While Brown trout are not amongst the most threatened of migratory fishes, the anadromous form has suffered widespread declines in Wales and Europe over the last several decades.

The glossary at the back of the comic, along with some visual guides, provides explanations for less common and technical words that appear in the story.