



## **A&E Portal Education Packages:**

Are you looking for virtual learning resources on Pennsylvania's Fishes? The Pennsylvania Fish and Boat Commission (PFBC) can help. Our Activities and Education Portal (A&E Portal) offers a variety of material on ten different topics to keep people of all ages interested in learning more about aquatic conservation and getting outdoors!

Whether you are building a STEM-, STEAM-, or STREAM-based curriculum, you can use the A&E Portal to support PA State Academic Standards for Environment and Ecology, and Health, Safety, and Physical Education.

### ***Pennsylvania Fishes-***

**Pennsylvania Fishes presentation video-** [Pennsylvania Fishes - YouTube](#)

Have you ever wondered about the variety of fishes that swim within Pennsylvania's abundant waterways? Do you know how many families of fish we have? How many classes? How many species? Do you know what characteristics are common to all fish and which ones are specific to just a few? Well, wonder no more!

**PLAY newsletter- All About Fish-** [play-2002-AllAboutFish\\_Allpages.pdf \(fishandboat.com\)](#)

PLAY issue that discusses All About Fish; How Fish Swim; Pennsylvania's Fish Family Tree; Internal Anatomy; and External Anatomy.

**Activity- Fish Parts-** [Fish Parts \(fishandboat.com\)](#)

This activity is a good introduction to terminology of the external anatomy of soft-ray fish.

**ADDITIONAL RESOURCE- Gallery of Fishes: Fish Biology (Chapter 1)-** [Fish Biology \(fishandboat.com\)](#)

This resource covers what makes a fish a fish, fish anatomy, the senses of a fish, and more. It is a great supplement to the Pennsylvania Fishes video.

