York County ENVIROTHON

2027 Aquatics Resources for 3rd & 4th Grades

Ponds and Lakes

Testing Resources:
1. Ponds & Lakes
2. Seasons of a Pond – PLAY
3. Sunfish Family – PLAY (p. 1-5)
4. Perch Family – PLAY (p. 1, 3, & 5)
5. All About Pike – PLAY (p. 1-5)
6. PA Handsome Hoppers – PLAY – Learn information in text and photos. Students do not need to learn all 16 frogs and toads listed on p. 7.
7. Fun with Frogs – Frog Sounds – YouTube: Learning the Frog Sounds of Calvert County, Maryland (know five frogs/toads listed in study list) - https://www.youtube.com/watch?v=aPlWrEl84-I
8. Where Do They Go in Winter? – PLAY

Focus:
- Know key features of Ponds & Lakes (habitat zones, aquatic plant location/benefits).
- Understand a simple water cycle and simple food web (or energy cycle).
- Be able to identify and know characteristics of species on the study list. Be able to identify by live sample, photo, drawing, or mounted specimen.
- Familiarize yourself with all study resources. If it is in the study resources, expect to be asked a question about it.
- Does spelling count? It might be the only way to break a tie. Tell your students to do their best with spelling.

Species Study List:

Yellow perch	Chain pickerel	Largemouth bass	Smallmouth bass
Northern pike	Muskellunge	Walleye	American toad
Bullfrog	Spring peeper	Wood frog	Northern green frog

Know calls of the following: bullfrog, American toad, wood frog, spring peeper, & northern green frog

Sample Questions:
Which amphibian has dry skin that is bumpy and warty
a. Frogs
b. **Toads**

Green plants convert the sun's energy (it's heat) into food during what process?
a. Photosynthesis
b. Condensation