

# Microscopic Pond Life Study



**4<sup>th</sup>-12<sup>th</sup> Grade**

*Water Discovery Field Trip Program*

## Objective

To introduce students to scientific observation by utilizing microscopes and analyzing microscopic pond life.

## Overview

Following a brief introduction and discussion on pond life, students will use microscopes to view pond samples. Students will view pre-assembled slides and write their findings on an activity sheet. A discussion on their findings will follow.

## Length of Time

30-40 minutes

## Next Generation Science Standards\* Connections

**4<sup>th</sup> Grade** 4-LS1 From Molecules to Organisms: Structures and Processes

**5<sup>th</sup> Grade** 5-LS1 From Molecules to Organisms: Structures and Processes  
5-ESS3 Earth and Human Activity

**Middle School** MS-PS1 Matter and Its Interactions  
MS-LS2 Ecosystems: Interactions, Energy, and Dynamics  
MS-LS3 Biological Evolution: Unity and Diversity

**High School** HS-LS1 From Molecules to Organisms: Structures and Processes  
HS-LS4 Biological Evolution: Unity and Diversity



## Common Core State Standards Connections

**4<sup>th</sup> Grade** *ELA/Literacy* W.4.1, SL.4.5

*Mathematics* 4.G.A.3

**5<sup>th</sup> Grade** *ELA/Literacy* RI.5.1, RI.5.7, RI.5.9, W.5.1, W.5.8, W.5.9

*Mathematics* MP.2, MP.4, MP.5, 5.MD.A.1

**Middle School** *ELA/Literacy* RST.6-8.1, RST.6-8.3, RST.6-8.7, RST.6-8.8, RST.6-8.9, RI.8.8, WHST.6-8.1, WHST.6-8.2, WHST.6-8.7, WHST.6-8.8, WHST.6-8.9

*Mathematics* MP.2, MP.4, 6.RP.A.3, 6.EE.C.9, 6.NS.C.5, 8.EE.A.3, 6.SP.B.4, 6.SP.B.5, 6.RP.A.1, 6.SP.B.5, 6.EE.B.6, 7.RP.A.2

**High School** *ELA/Literacy* RST.11-12.1, RST.11-12.8, WHST.9-12.2, WHST.9-12.5, WHST.9-12.7, WHST.9-12.9, WHST.11-12.8, WHST.9-12.9, SL.11-12.4, SL.11-12.5

*Mathematics* MP.2, MP.4, HSF-IF.C.7, HSF-BF.A.1

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