Upon completion students will:

- Understand what eDNA is, how it is measured, why it is useful, and its limits.
- Learn the eDNA laboratory process, from collection to analysis.
- Understand how primers work, and that they are specific to groups of species.
- Be able to replicate the PCR process on their own, beginning with a single strand of DNA.
- Understand how Next Generation Sequencing works and how sequences are matched to species.
- Be able to think critically and extrapolate conclusions from their research.

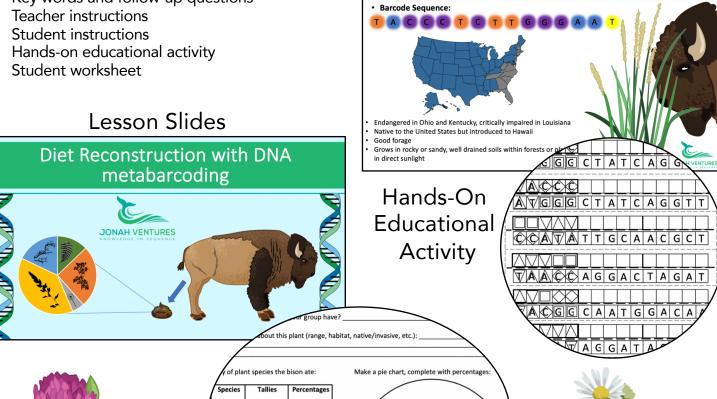
grass



Our educational materials include:

- Lesson slides
- Key words and follow-up questions

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Student Worksheet

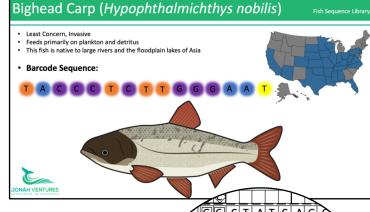
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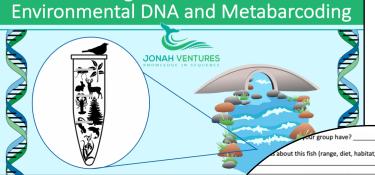


Our educational materials include:

- Lesson slides
- Key words and follow-up questions
- Teacher instructions
- Student instructions
- Hands-on educational activity
- Student worksheet

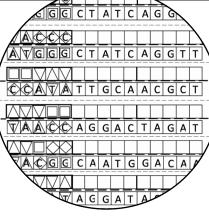


Assemblage Reconstruction with



Lesson Slides

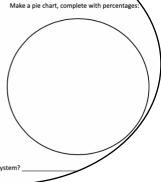
Hands-On Educational Activity

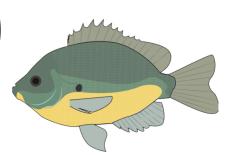




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Bighead Carp





Student Worksheet