HELPING TEACHERS AND STUDENTS LEARN SCIENCE THROUGH PICTURE BOOKS!

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Aliya Caldwell, ETHOS Innovation Center, Elkhart, IN
Thursday, November 11, 2021
11:00-12:00
Gaylord National Resort & Convention Center, National Harbor 6
INTRODUCTIONS

• Douglas Hunnings
  • Director of STEM Education, ETHOS Innovation Center, Elkhart, Indiana (2020-Present)
  • 4th Grade Teacher (2016-2019)
  • 6th Grade Teacher (2008-2016)
  • Inquiry Institute Workshop Facilitator in the summers (2013-2016)

• Aliya Caldwell
  • STEM Educator, ETHOS Innovation Center, Elkhart, Indiana (2021-Present)
  • 2nd Grade Teacher (2007-2019)
  • Science Summer Camp Lead Teacher for K-6th
WORKSHOP GOALS

• Why should we integrate?
• Why use picture books to teach science?
• Share a lesson on the food chain.
• Group Share (Ideas to learn from one another!)
• Q & A

BIG IDEA: Incorporating more SCIENCE into your ELA block.
SURVEY OF THE GROUP

• How many K-2 educators?
• How many 3-5 educators?
• How many 6-8 educators?
• Administrators?
• Curriculum/ science specialists?
WHY SHOULD WE INTEGRATE?

- Critical Thinking Skills in both Subject Areas
  - Citing Evidence
  - Making Predictions
  - Evaluate Data
- Complement Each Other
- Real Life Applications
- “We know that language is best learned through context. Learners have to talk about something, listen about something, read about something, and write about something.” -Lauren M. Shea and Therese Shanahan Science Plus ELA: A Natural Fit Science & Children, July/August 2020
WHY USE PICTURE BOOKS TO TEACH SCIENCE?

• Increases Engagement and Motivation
• Builds Curiosity
• Bridges the connection between ELA and Science Concepts/Standards
• Enhances the Science Instruction
• Brings Science to Life!
Pass The ENERGY, Please!

By Barbara Shaw McKinney
Illustrated by Chad Wallace

Green-Vegetation
Yellow-Herbivores
Pink-Carnivores
Blue-Decomposers
5-E MODEL

• Engage-Using the picture book. (Sequencing, Prediction, Cause and Effect)
• Explore-Color Food chain scavenger hunt. (Predict, Text Evidence)
• Explain-Group share using the food chains they created. (Retelling)
• Elaborate-Create a short story.
• Evaluate-Assessment of choice.
CONTACT INFORMATION

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