





Butler University
Stem Stories: Integrating Children's Literature with
Engaging, Hands-on Science Experiments
Summer 2021
June 24 & June 25, 2021

Instructor:

Dr. Catherine Hagerman Pangan

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Date, Time & Delivery Method:

6/24/21 & 6/25/21, 9AM -12PM each day

Combo Online Synchronous and Asynchronous

PGPs: 6 Hours

Course Description:

This workshop will explore how to integrate a wide variety of children's literature (including outstanding science biographies) with science concepts and activities in the K-6 classroom. Science discipline will be explored including robotics, anatomy, the environment, inventions, biology, chemistry, space and more. We will collaborate and get inspired by sharing new ideas hitting book shelves and lab tables!

Course Objectives:

Participants will:

- *Demonstrate an understanding of the benefits of integrating children's literature and science concepts
- *Be exposed to new children's (K-6) literature, including science biographies
- *Create an action plan to incorporate children's literature and science concepts within their own contexts
- *Develop an awareness (and specifically a list) of potential community partners and grant funders to support work in the sciences

Required Course Material:

*Supplies and articles provided by instructor

Course Outline:

Day One:

Benefits of incorporating children's literature with STEM, what does the research say?

The 5-E Model and Beyond

Children's Literature Extravaganza – Exploring the Possibilities

Day Two:

Hands-on examples and demonstrations

Connecting Curricular Ideas to Personal Contexts

Assessment:

Participants will design a detailed "Children's Literature and STEM Action Plan" for their educational context that is supported with materials, research, and strong pedagogical foundations for their future STEM work.