



THE TIDE

Collaboration From Collazo Cove



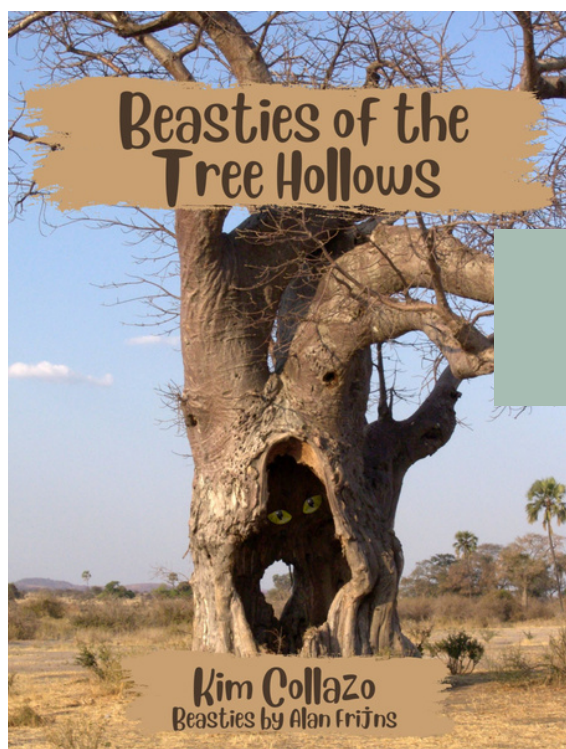
FEATURED LESSON

This issue's featured lesson involves students working through the Engineering Design Process to create a working water wheel. Their teacher was looking for a way to integrate STEM into social studies standards related to the Colonial American Period. The lesson is adapted from one shared by [Brian Crosby](#) featuring rice for the testing phase rather than water. You can watch the short video to the left [HERE!](#) It was carried out during a 45 minute block and included the perfect amount of challenge for 4th and 5th graders. If you'd like to access a copy that you can edit for your own use, click [HERE!](#)

WASHING UP ON THE BLOG

They're Everywhere!

In my most recent blog post you can read about what inspired me to write [Beasties of the Tree Hollows](#). Feel free to leave a comment, I'd love to hear your thoughts! Check it out [HERE!](#)



NEWEST RELEASE

[Beasties of the Tree Hollows](#) was released on February 2, 2023 and still a month later, remains the #1 New Release in Children's Botany Books! It introduces readers to the fantastical Beasties living in the tree hollows all around us! Using many of my own photographs and the amazing artwork of Alan Frijns, who incorporates Artificial Intelligence, it also includes a Field Guide for young outdoor explorers! Check out collazocove.com/books for the release video, a list of STEM extension ideas, as well as a link where you can get your own. Contact me if you'd like a signed copy!



STEM CLASSROOM MANAGEMENT TIP

Sometimes something small and seemingly inconsequential can change the entire culture of a class. One of the things I have noticed that has made a positive impact on the behavior students exhibit in the STEM lab relates to how I refer to them throughout their time with me. Referring to students as engineers, scientists (or even more specifically paleontologists, meteorologists, etc.) can do two things:

1. It helps them become familiar with a career that relates to the work they are doing in STEM,
2. It creates a supportive, positive, encouraging relationship and relevance to your time together.

So next time you are tempted to say, "Boys and Girls" or "Class" or "Students", try referring to them with a title relating to the important task they are doing - and do it consistently every time they are with you!



CURRENT TOOLS

In this section of the newsletter I hope to share a tool that is having a positive impact as I strive to integrate STEM. So it is appropriate that in my first newsletter, the first tool would be my absolute favorite: Seesaw! I have been using Seesaw since it appeared in 2015 and here are three reasons I think it is perfect for STEM:

1. Students can capture images/videos of their engineering prior to having to take things apart.
2. Students can annotate over pictures, describe orally, in writing, or in drawings, their thought process as they worked through the Engineering Design Process.
3. It is the perfect digital portfolio for students to build throughout the year as they learn the many skills inherent in STEM integration.

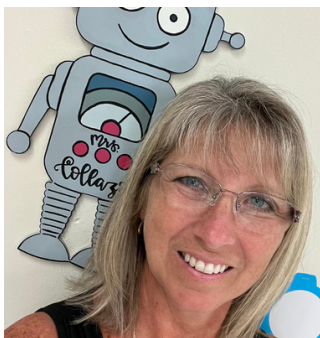


LET'S CONNECT!

I'd love to hear your thoughts and share ideas!

Don't hesitate to reach out.

We can make STEM integration better together!



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