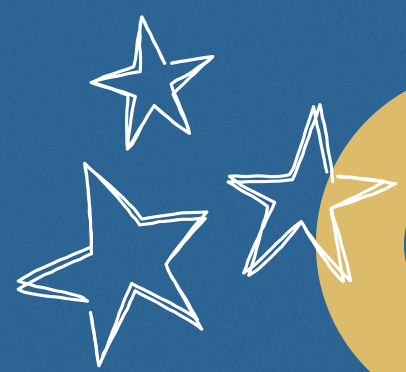




# StarrMatica

## PROFESSIONAL LEARNING

1 HR, 2 HR, HALF DAY & FULL DAY OPTIONS



### SCIENCE AND ENGINEERING EVERYDAY? YES! HOORAY!



Limited science time? Encourage scientific thinking and an engineering mindset every day with 15 minute activities and ELA integrations that develop your students' STEM thinking. Receive the tools and resources you need to quickly and easily integrate STEM into your current daily schedule.

### WHEN I GROW UP - HOW TO USE LITERATURE & WRITING TO INSPIRE STUDENTS TO PURSUE STEM CAREERS



Nearly 50% of students lose interest in STEM by 8th grade. Learn how to integrate ELA and STEM using picture books, informational texts, and writing opportunities to inspire students to pursue STEM careers. Receive book lists, lesson plans, and writing tools to immediately implement the strategies you learn.

### DO YOU SEE WHAT I SEE? HELP STUDENTS VIEW THE WORLD LIKE SCIENTISTS



Learn how to use science picture books to help your students view the world just like real scientists by using the crosscutting concepts. Discover when you should (and shouldn't!) use picture books during a science lesson, which picture books are best for highlighting each crosscutting concept, and how to easily develop questions that will get your students to think deeply about the science found in picture books.

### I AM A SCIENTIST! HOW TO MODEL SCIENTIFIC THINKING USING PICTURE BOOKS



Would you like to give your students STEM role models and show them how real-life scientists and engineers "do" science? Learn how to use STEM picture book biographies and career texts to highlight the science and engineering practices and show your students examples of inspiring scientists and engineers "doing" incredible work!

The presentation was so well prepared, humorous, and informative. What fun! Thank you for opening the door to possibilities. This is vital information. I left your session with new ideas ready to implement with students!

Mary Decker, Educator, Texas

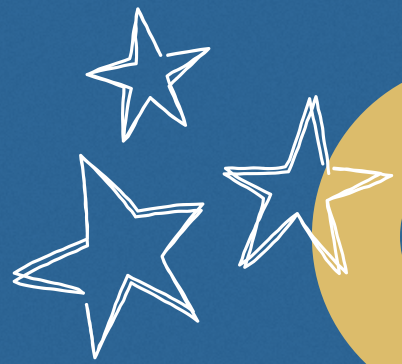




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### THE ART OF SCIENCE IN PICTURE BOOKS



Find out how to integrate art and science in authentic ways! Bring to life the ways in which real life scientists and engineers rely on art to communicate findings and understand new concepts by sharing picture books that model the practice. Receive a collection of picture book lesson ideas that teach both art and science and will spark your students' creativity!

### QUESTIONING BOOTCAMP: THE KEY TO IMPROVING YOUR TEACHING TODAY



According to decades of research, the most effective teachers are masters at questioning and facilitating student discussion. Does this scare you or excite you? Supercharge your questioning skills today with proven techniques and tools that will help you ask productive questions, respond effectively to student answers, and facilitate student conversations.

### MEET YOUR COLLEAGUE



Emily Starr is a former teacher on a mission to help her colleagues become science rock stars!

For 18 years, she has worked with professors, experts, authors, & educators to develop research-based curriculum and professional learning experiences as CEO of StarrMatica. In addition to school engagements, Emily has shared her expertise at conferences including: National Science Teacher's Association, Iowa Reading Association, International Society for Technology in Education, Iowa Technology and Education Connection, STEM Con and Beyond, and many more. Emily has received five highly competitive Small Business Innovation Research Grants, the Prometheus Award for Innovation in Education, and the Iowa Entrepreneur of the Year Award.

### HOW TO SPOT STEM CHALLENGE IMPOSTERS



Come learn "everything there is to know" about STEM challenges. Discover the benefits of challenges, the characteristics of a high-quality STEM challenge, how to effectively facilitate a challenge, how to fit them in your schedule, and how to modify challenges that are crafts in disguise. Use tools provided to modify an existing STEM challenge and receive a collection of rigorous challenge ideas your students will love!

**For further information:**

**[info@starrmatica.com](mailto:info@starrmatica.com) 563-219-2111**

INTERESTED IN SUSTAINED PROFESSIONAL LEARNING FOR TRANSFORMATIONAL CHANGE? SCAN TO LEARN HOW OUR VIRTUAL SCIENCE COACH EMPOWERS EDUCATORS & IMPROVES STUDENT OUTCOMES.





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**All of Emily's sessions have been my favorite this year!**

**This session was AMAZING!! The cross-cutting science definitions & examples of read alouds were so informative. The downloadable lists were so generous. Thank you so much for sharing your time and knowledge. I am referring your resource sites to all my science colleagues!**

**Emily, you are such a valuable speaker! Thank you for the free resources and specifics for how to accomplish the focus of your sessions.**

**Your explanation and examples of Crosscutting Concepts was brilliant! Thanks for the organized, well-defined presentation!**

**Emily is a great presenter! She provides great book connections and explains exactly how to connect them to standards. This is such a great time saver.**

**FEEDBACK GATHERED THROUGH ANONYMOUS SURVEYS OF K-5 TEACHERS AT EMILY'S MOST RECENT PROFESSIONAL LEARNING SESSIONS IN 2023**

**Wow! So much information within this class to apply in teaching. I cannot wait to add some crosscutting concepts in my teaching. I love how you can take something as simple as the pen example and really dig deep on the structures and functions for it. Thank you!**

**I like the deep thinking that this approach allows for with picture books.**

**Very helpful strategies to foster curiosity and loads of picture book ideas and how to use them to support STEM learning. You are awesome!**

**Emily hit a home run with this session! She adds much value to NGSS and questioning techniques! We are always told to ask more Q's vs. better (more effective) questions. Ya Hoo! Thank you.**