# Makerspace Task Cards Piggie and Gerald Challenges



Lesson Plans, Resources, Makerspace Task Cards

TRINA DEBOREE

### 3- Design Thinking

Each Makerspace Task Card Offers an opportunity for students to work through the Engineering Design Process. 2 -Lit Extension Solving problems

presented by the character takes

comprehension further.

### I- Open-Ended

Open-ended challenges allow students to practice critical thinking skills and problem-solving skills.

# Keep Scrolling to See Inside!

Why

# Perfect for:

Makerspace Encourage Reluctant Learners Liferature Extension Centers Crilical Thinking Crealivily Collaboralive Work



### **Piggie and Gerald Makerspace**

# HOW TO USE:

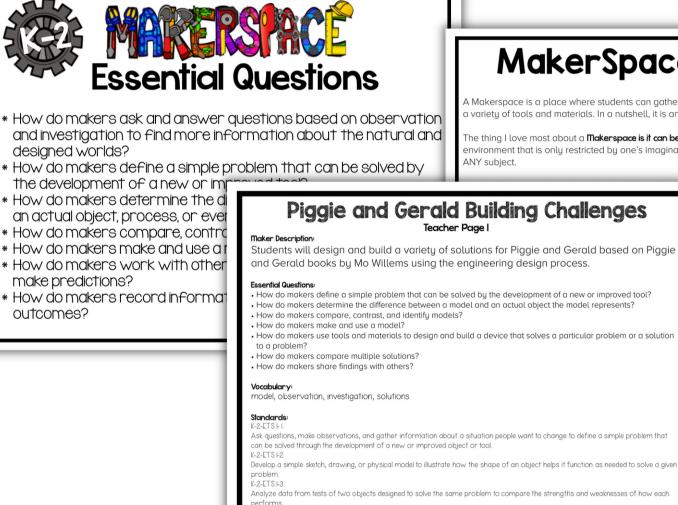
A Makerspace is a space where students can gather to create, invent, tinker, explore, and discover using a variety of tools and materials. In a nutshell, it is an astonishing place to think and learn!

Read a Piggie and Gerald story by Mo Willems and then challenge students to work through solutions to the problems in the story. Keep the solutions open-ended to avoid doing a craft and focus more on twenty-first-century skills.

### TUNE INTO ONE TIRED TEACHER FOR MORE ON MAKERSPACE



### Essential Questions, Makerspace Resources, and Lesson Plan



#### **MakerSpace Resources**

A Makerspace is a place where students can gather to create, invent, tinker, explore and discover using a variety of tools and materials. In a nutshell, it is an astonishing place to think and learn!

The thing I love most about a **Makerspace is it can be anything**. There are **no limits** only possibilities. It is an environment that is only restricted by one's imagination. It is a wonder of discovery, and it can include ANY subject.

e? Be sure to check out my blog series below. r helpful if you need evidence for a PDP/PGP!}

ace by Trina Deboree spire You by Trina Deboree boree eboree ace by Trina Deboree erspace by Trina Deobree

d it can be a focus on STEM (An INTEGRATION gineering, and math.) The purpose of the NGSS se two practices. Personally, I think when take learning and understanding scientific ng opportunities for children to learn through

# **Open-Ended** Challenges

#### Build a Mode of Transportation Piggie and Gerald

#### Problem:

Piggie and Gerald are playing a game of Drive Drive Drivey-Drive Drive. Then they decide it is time to take a drive for real! Howeve they don't have a car. **How will you solve this problem?** 

#### Challenge Criteria and Constraints:

- \* The mode of transportation must hold both characters and all of their stuff.
- \* The mode of transportation must be able to
- move from one pl
- \* You have \_\_\_\_ m challenge.

#### Build a New Toy for Piggie

#### Problem

Piggie is playing with her new toy, but it broke. How will you solve this problem?

#### Challenge Criteria and Constraints:

- \* Construct a new toy for Piggie.
- \* Use building blocks.
- \* You have \_\_\_\_ minutes to complete your challenge.
- \* Your toy has to be able to withstand dropping from waist height.

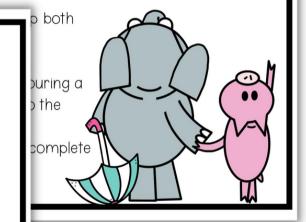
#### Build a Cover for Piggie and Gerald

#### Problem

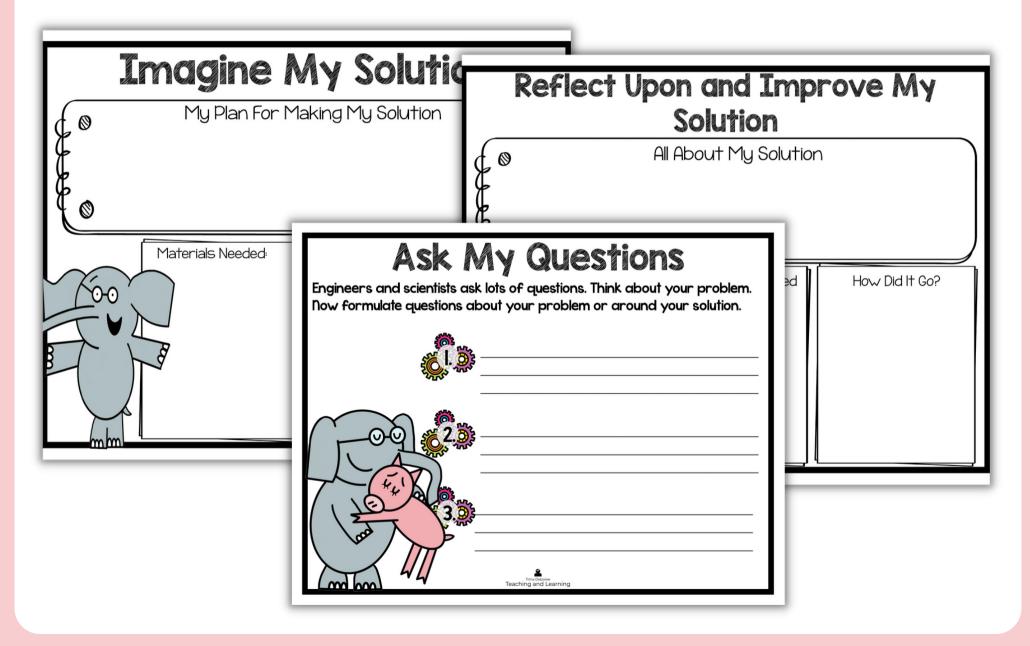
Piggie and Gerald want to play outside. Then it starts to rain. How will you solve this problem?

#### Challenge Criteria and

**Constraints**:



### Work Through Engineering Design Process (Print or Digital)



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# About the Author

Trina Deboree has over 17 years of teaching experience in first and second grade. Trina has also been a Student Support Specialist and a Media Specialist. She earned her Master's Degree in Education Technology and Media Design and was formally Nationally Certified in Early Childhood Generalist.

Trina is a single mom of 2 incredible young people and a dog mom of Kobe her Goldendoodle. Trina is passionate about serving teachers and helping them instill a love for learning.



# Let's Connect



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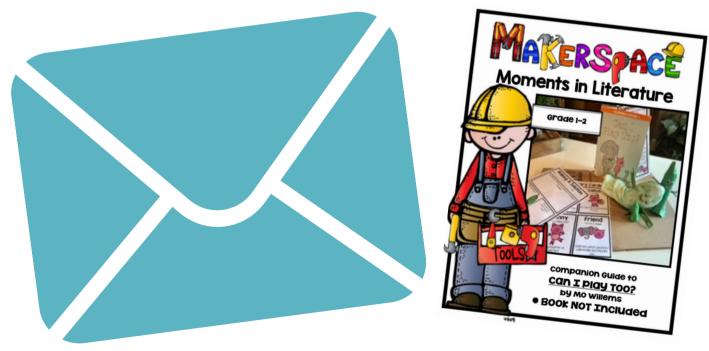
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# Let me know if you have any questions.



#### TRINA DEBOREE