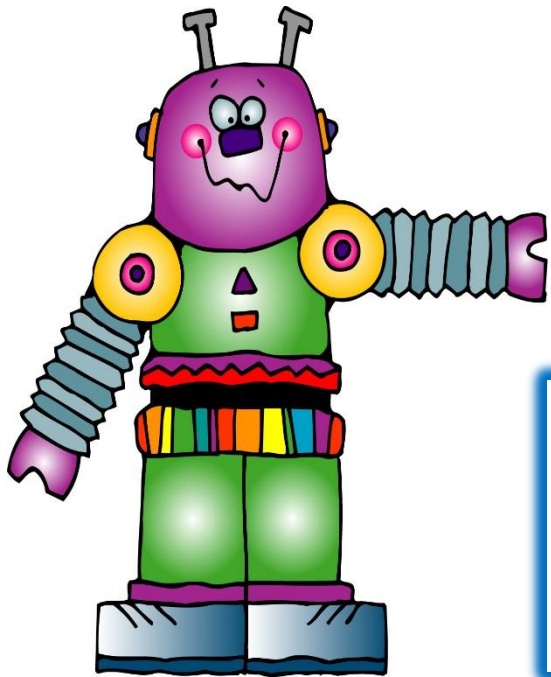


STEM

Mini Journal

for
Elementary
Students



Created by Brooke Brown

How to Use

The following STEM ideas and Mini Journal are ideal for elementary classrooms because they are simple, quick, and fun!

STEM stands for Science, Technology, Engineering, and Math. Classroom challenges are designed to promote both inductive (inventive) thinking, in which student products are unique, and deductive thinking, in which student products are similar, but construction and materials are different. As students navigate the STEM process, they are encouraged to collaborate with other students, plan and design, construct, test models, and improve designs.

The attached list of challenge ideas and materials can be used with students in grades K-5.

The purpose of the Mini Journal is to allow students to write and reflect quickly and easily as they complete their challenges. It also serves as an excellent option for informal assessment. Simply copy front to back, cut into thirds, and staple on the left edge to make the booklets.

Stem Challenge Ideas

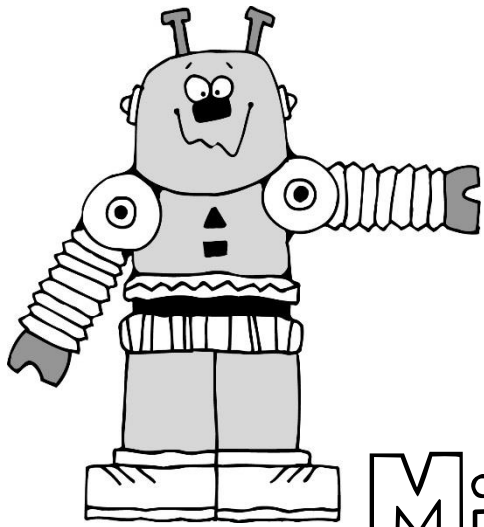
bridge
toy
parachute
house/dwelling
building/tower
boat
ramp
rocket

vehicle
trap
habitat
maze
game
tool
musical instrument
catapult

Stem Construction Materials

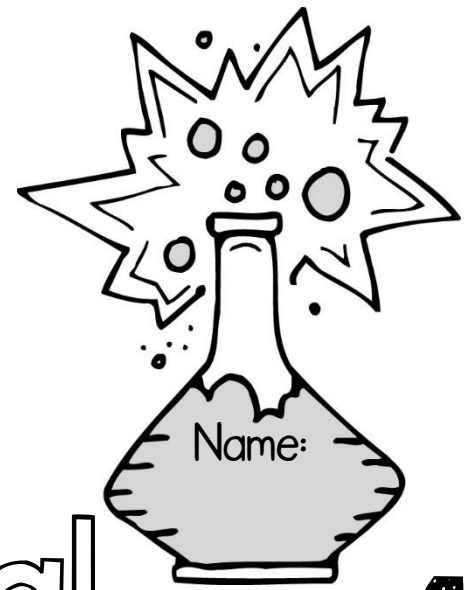
Legos
K'nex blocks
Magformers blocks
unifix cubes
Any building manipulative

paper goods
popsicle sticks
rubber bands
pipe cleaners
toilet paper rolls
tissue boxes
plastic bottles



My

STEM



Mini Journal

How can we solve the problem?

Idea Bank

The BEST solution is

because _____

What worked well?

What didn't work well?

1
Solve it!

Test it!

What is the problem?



Ask it!

Design it!

My Blueprint



Improve it!

What can we change to make it better?



Credits

Created by Brooke Brown
Thank you for your download!

Like this product?
You'll LOVE my other
STEM products!



Graphics &/or fonts copyright
Dianne J Hook. www.djinkers.com,
License # 0824203228

<http://teachingsuperpower.blogspot.com/>
<http://www.teacherspayteachers.com/Store/Teachingsuperpower>

