



Simple STEAM {Maker Space Task Cards}

paper

20 engineering, art, and design task
cards perfect for your Maker Space!

Thank you!!

Thank you so much for downloading this resource! I hope that you and your students love it! I am so honored that you took the time out of your busy day to visit my store. I appreciate you so much! And in case no one told you this today:

☺ You are an amazing teacher ☺

Your feedback is important to me. You can reach me at sarah@morethanaworksheet.com Or you can also reach me using the Q&A section of my TpT Store, [More Than a Worksheet](#).

PS: I would LOVE to see pics of how you use my resources in your classroom!

If you are on Instagram, feel free to tag me @morethanaworksheet. I'm also on Facebook and Twitter!

Happy Teaching!
Sarah



The More Than a Worksheet Promise:
I promise to create engaging learning experiences that first and foremost make students think. They are rigorous, standards-based, versatile, and perfect for the teacher who wants to light a spark in students. Teachers don't have extra time to re-invent the wheel with each lesson, but you shouldn't have to sacrifice good teaching practices in lieu of textbooks, test prep, worksheets, and standards. Let me help you add critical thinking, creativity, and fun into your curriculum!



Simple STEAM: Maker Space Task Cards

{Paper Edition}

Notes to Teacher:

Thank you for purchasing this activity! I hope you and your students love it! This makes a great starting point for teachers just beginning their S.T.E.A.M. or Maker Space journey. The tasks in this series are simple enough that students can complete them independently, and they require just a few materials that are easy to come by. Don't be fooled by the simple nature, though. These challenges are designed to make your students think critically and creatively!

What is included?

*There are 20 task cards included with challenges, and I also included 4 blank ones for you and your students to use to create your own challenges. Just print and go. Laminate for durability if you choose.

*A simple rubric

*A student checklist

What materials do I need? paper, scissors, tape, crayons

How should I use these task cards?

I like to design products that are versatile and can be used in various ways to fit your needs. There is no one right way to use them, and I encourage you to try using them in different ways to find what fits best with your classroom. Here are some ideas:

- a Maker Space tub
- a science center where the challenge changes weekly
- a project that students work on in lieu of morning work with a new challenge each day
- fun whole class activities for the end of the year or the days before holidays
- send home for family STEAM time and have parent or students snap a picture of the completed challenge.
- a fun class reward for Fun Friday

What age are they best for?

These are perfect for grades 2-4. Some challenges may seem easy, and some may seem challenging. That is ok! These are naturally differentiated.

What S.T.E.A.M. components are addressed?

With these tasks, students will use creative thinking skills to tackle Engineering challenges. They will also tap into Art and design and some geometry and measurement skills.

Is there one right answer? No! Projects such as these are open ended on purpose. There is not a single right solution but many possible solutions that meet the challenge. It may be challenging for students at first to access the creative parts of their brains to think of innovative designs, but the more engineering, creative, and critical thinking activities you do, the more students get comfortable taking risks and finding creative solutions.

Should I show students examples first? I encourage you to let students attempt the projects before helping or showing examples. When students look at examples, they get it in their mind and think that there is just the one way to do it.

How do I grade these?

This is tough for me because I want students to be creative, think critically, and be able to learn from their mistakes, all of which can happen with these task cards. Yet, as teachers, we need to justify spending the time on activities, and a big way to do that is with grades. I created a simple rubric with that in mind. It addresses the skills that I want students to work on. I would love to hear your input because I realize there is no perfect way to grade activities such as this, so this is my attempt to try.

I'm hooked on S.T.E.A.M. What is my next step?

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For more Maker Space Task Cards:

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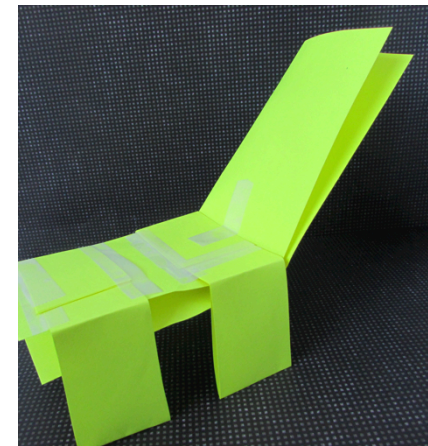
Simple S.T.E.A.M. Paper Edition Examples

I provided examples for you, the teacher, to get ideas. I encourage you to let students build before showing examples. They will amaze you with what they come up with!

Note: In the pictures, I used colorful paper because it is challenging to get a good picture of white paper! Feel free to use recycled paper and paper that has been written on. When I would do projects such as this, I would have students clean out their desks or backpacks to provide the paper so as not to waste precious, new sheets.



Task 10: Playground Slide



Task 7: Chair



Task 14: Cell Phone Holder



Task 8: Paper Fan



Task 2: Party Hat

Task 13: Bracelet



Task 1

Construct a paper airplane using exactly one sheet of paper.

Materials: paper

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Task 2

Construct a party hat.

Materials: paper, tape, scissors, crayons

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Task 3

Construct a boat using exactly one sheet of paper.

Materials: paper, tape

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Task 4

What is the tallest structure you can build using only one sheet of paper and tape?

Materials: paper, tape

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Task 5

Construct a chain that is at least 30 centimeters long using only paper and tape.

Materials: paper, tape

Task 6

Design a pinball game. It should have a flipper, a ball, and be decorated.

Materials: paper, tape, crayons, scissors

Task 7

Construct a chair or a stool using exactly one sheet of paper.

Materials: paper, tape

Task 8

Design a unique, colorful pattern on a sheet of paper, and fold it into a paper fan.

Materials: paper, crayons

Task 9

Think of your favorite candy. Create a new wrapper for it that has all new colors, shape, & design.

Materials: paper, tape

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Task 10

Construct a playground slide.

Materials: paper, tape

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Task 11

Construct a paper cup that holds water.

Materials: paper, tape

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Task 12

Construct a bridge that spans at least 15 centimeters.

Materials: paper, tape

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Task 13

Design and create a stylish new bracelet or watch.

Materials: paper, tape, crayons

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Task 14

Design and construct a cell phone holder.

Materials: paper, crayons, tape

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Task 15

Construct and decorate a popcorn container for the movies.

Materials: paper, tape, crayons

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Task 16

Construct a helicopter.

Materials: paper, scissors, tape

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Task 17

Design and create a pop up card for someone special.

Materials: paper, scissors, tape, crayons

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Task 18

Construct a table.

Materials: paper, tape

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Task 19

Design a new shape for a kite and decorate it.

Materials: paper, crayons, scissors

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Task 20

Construct an envelope that could hold a sheet of paper.

Materials: paper, tape

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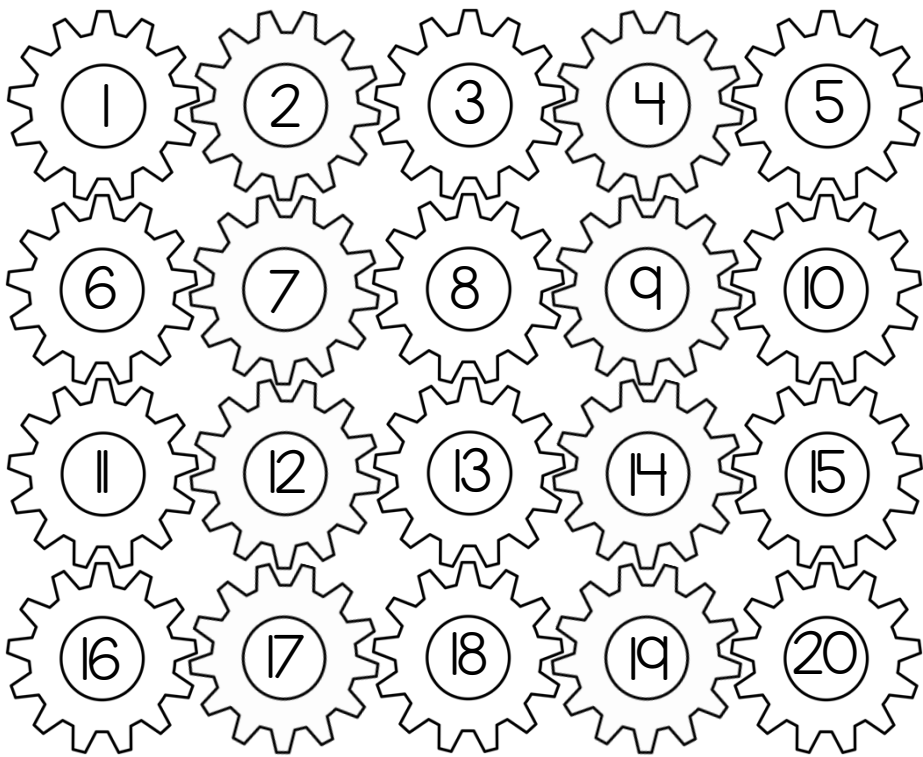
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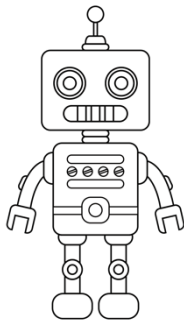
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Use this page to keep track of the tasks that you complete.
Color in the gear when you complete the task card



Which task was your favorite? Why?

Which was your least favorite? Why?

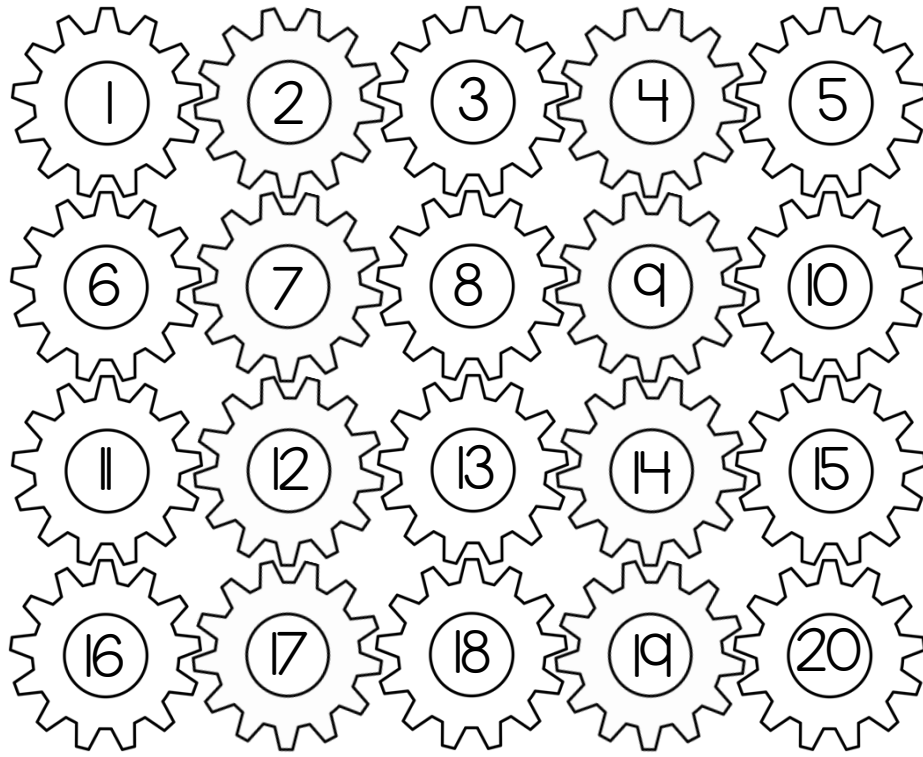


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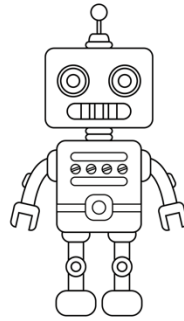
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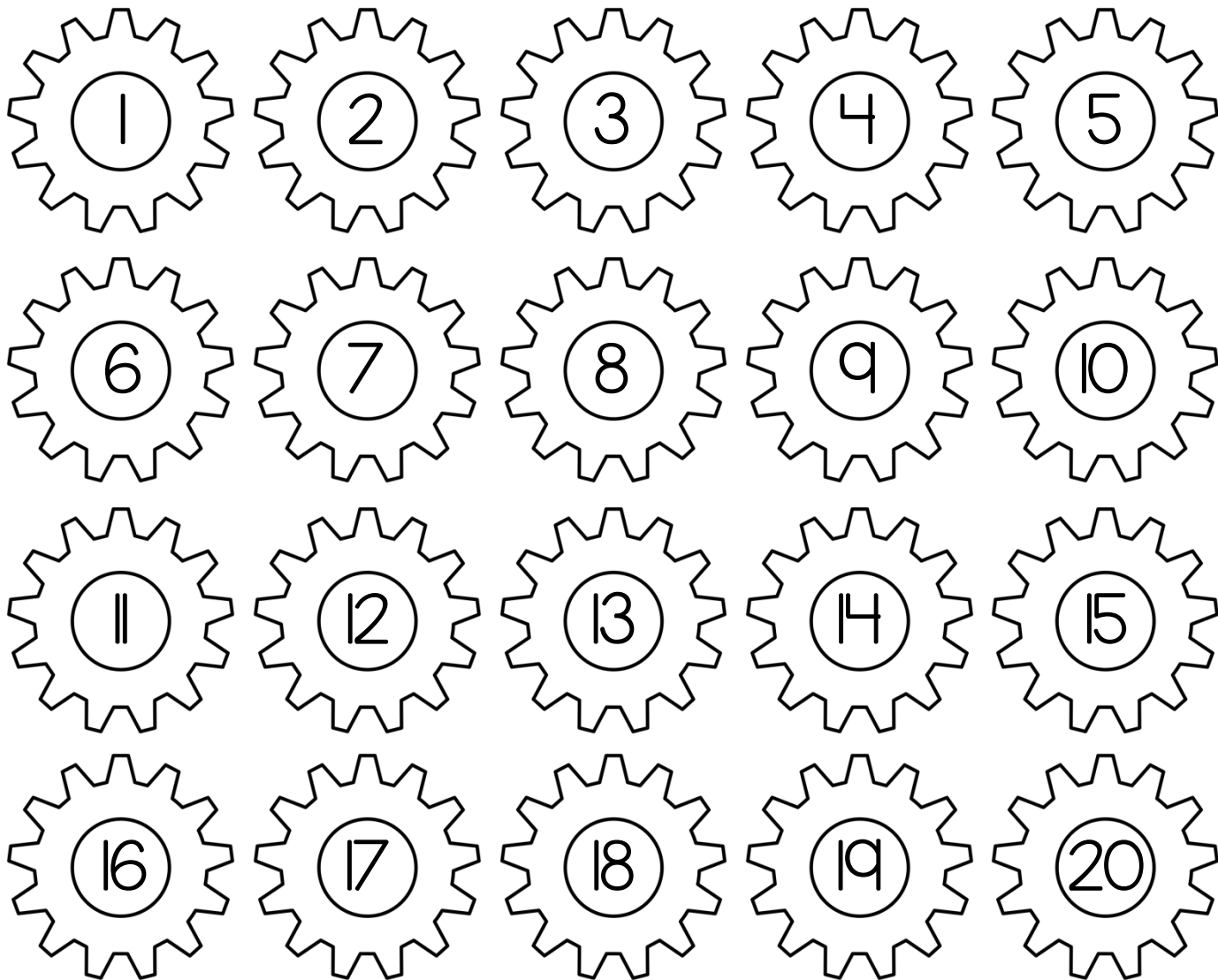


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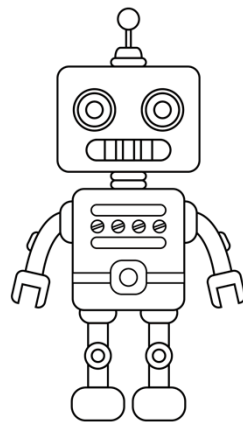
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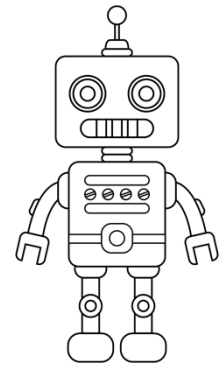
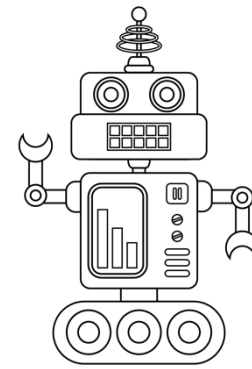
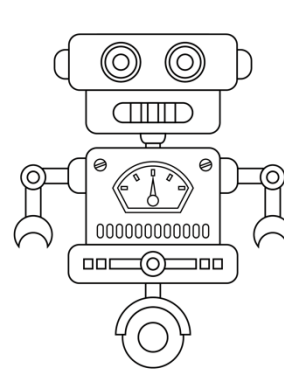
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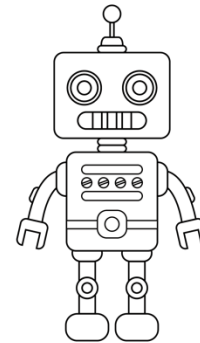
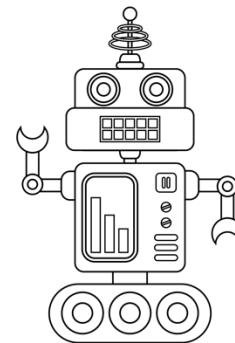
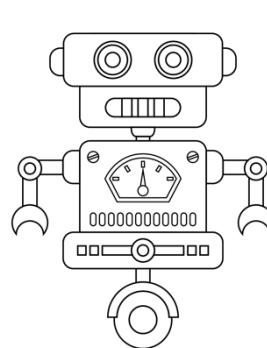
	Rarely	Sometimes	Usually	Always
I create original and innovative designs.				
I try my best on all tasks.				
I use all materials the correct way.				
I work cooperatively with my teammates.				
I am flexible if my design flops.				
I am focused and engaged with the tasks.				

Grade:

Comments:

Name _____

Maker Space Task Cards {Paper Edition}



	Rarely (1 point)	Sometimes (2 points)	Usually (3 points)	Always (4 points)
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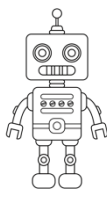
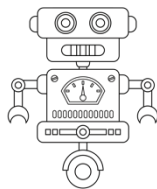
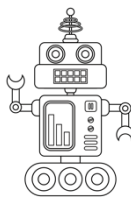
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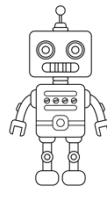
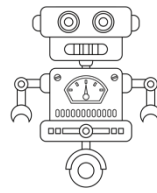
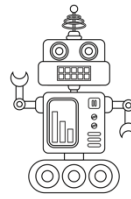
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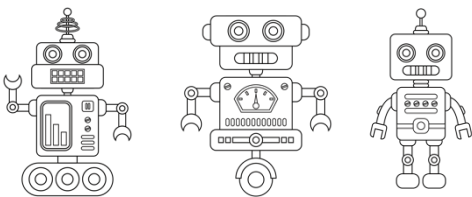
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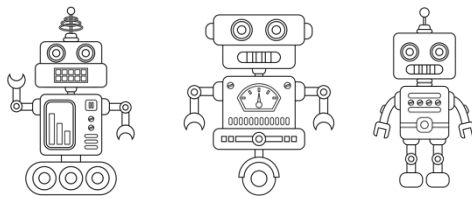
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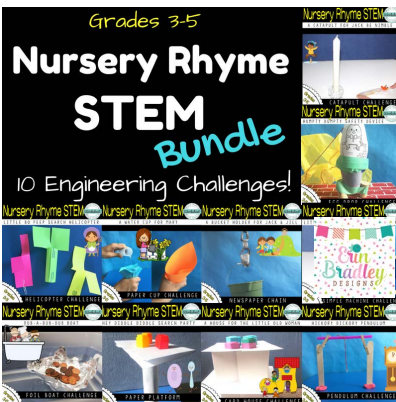
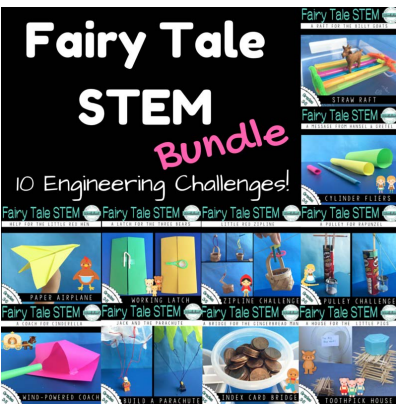
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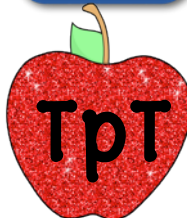
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