



Simple STEAM

{Maker Space Task Cards}

Christmas

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 {Christmas 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, tape, newspaper, pipe cleaners, aluminum foil, rubber bands, cotton swabs

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?

Most of my STEM & STEAM resources are best for grades 3-5. These in particular may be best for grades 4 and up simply because duct tape can be tricky to handle, tear, and work with.

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?

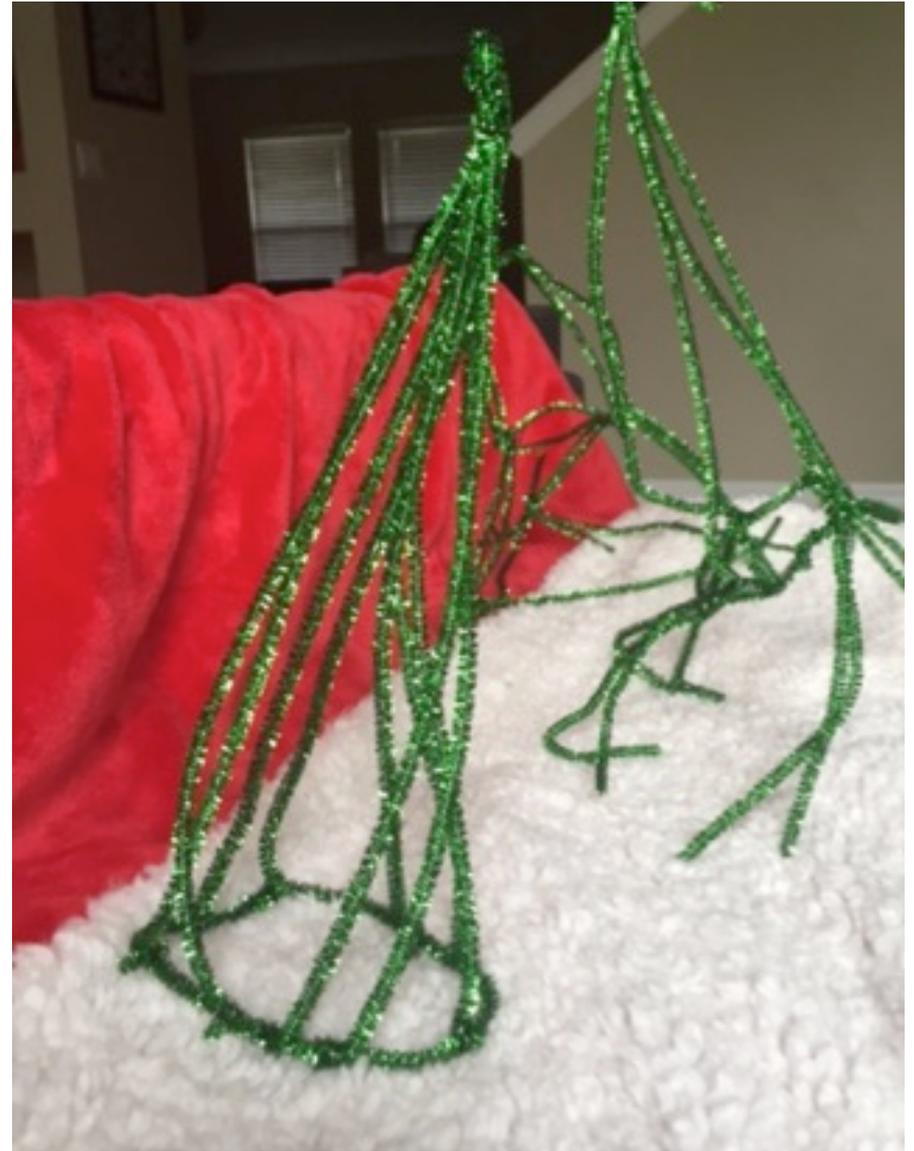
Visit my TPT Store for other STEM and STEAM resources.
<https://www.teacherspayteachers.com/Store/More-Than-A-Worksheet/Category/STEM>

For more Maker Space Task Cards:

<https://www.teacherspayteachers.com/Store/More-Than-A-Worksheet/Category/-Maker-Space-Task-Cards-259058>

Sample Design:

As with all of my STEM resources, I do not recommend that you show students examples ahead of time. They tend to get the image in their mind and then have trouble seeing a different solution. Let them try on their own, and you will be amazed at what they come up with!



Task 9—Christmas
Tree



Task 1

Construct a paper cup for Santa to drink his milk with his cookies.

Materials: paper, tape



Task 2

Create a carrying pouch for Santa to hold the Christmas cookies.

Materials: paper, tape



Task 3

Design and construct a paper stocking.

Materials: paper, tape



Task 4

Construct a box to use to wrap presents in the shape of a rectangular prism.

Materials: paper, tape



Task 5

Design and construct a hat for Santa to wear. It must be cone-shaped fit on your head.

Materials: newspaper, tape



Task 6

Design and create a sack that will hold toys.

Materials: newspaper, tape



Task 7

Build a feeding trough for Santa's reindeer.

Materials: newspaper, tape



Task 8

Build a cylinder telescope to help Santa in his travels.

Materials: newspaper, tape



Task 9

Construct a Christmas tree that stands on its own.

Materials: pipe cleaners



Task 10

Design a belt to help Santa keep his pants up.

Materials: pipe cleaners



Task 11

Create a harness for the reindeer.

Materials: pipe cleaners



Task 12

Design and create an ornament to hang from the tree.

Materials: pipe cleaners



Task 13

Create a hook that will hold even a heavy stocking.

Materials: aluminum foil



Task 14

Construct a set of stairs for the elves to use when climbing down from the sleigh.

Materials: aluminum foil



Task 15

Design and create a sleigh that will slide on the floor.

Materials: aluminum foil



Task 16

Create a thermos for Santa to carry his hot chocolate.

Materials: aluminum foil



Task 17

Construct a ladder to help the elves climb down the chimney.

Materials: rubber bands and cotton swabs



Task 18

Create a device that Santa can use to scrape ice off the sleigh.

Materials: rubber bands and cotton swabs



Task 19

Design and construct a snowball swatter that will fling cotton balls out of the way.

Materials: rubber bands and cotton swabs



Task 20

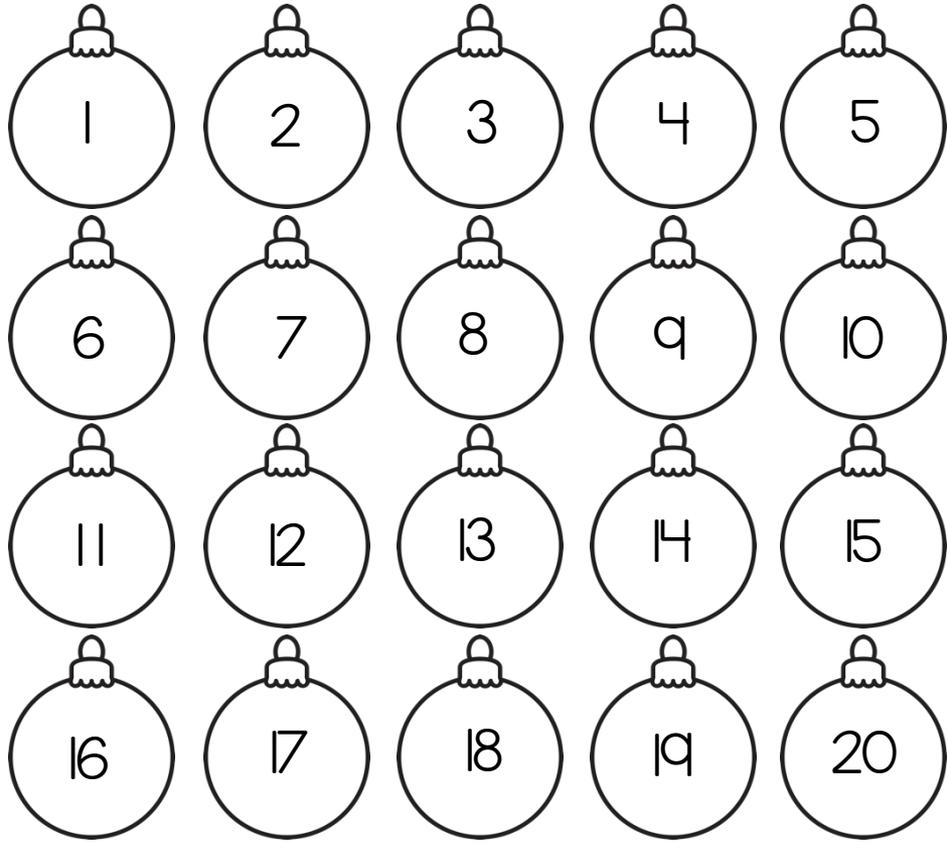
Build a model of a fireplace.

Materials: rubber bands and cotton swabs

Name _____

Maker Space Task Cards {Christmas Edition}

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



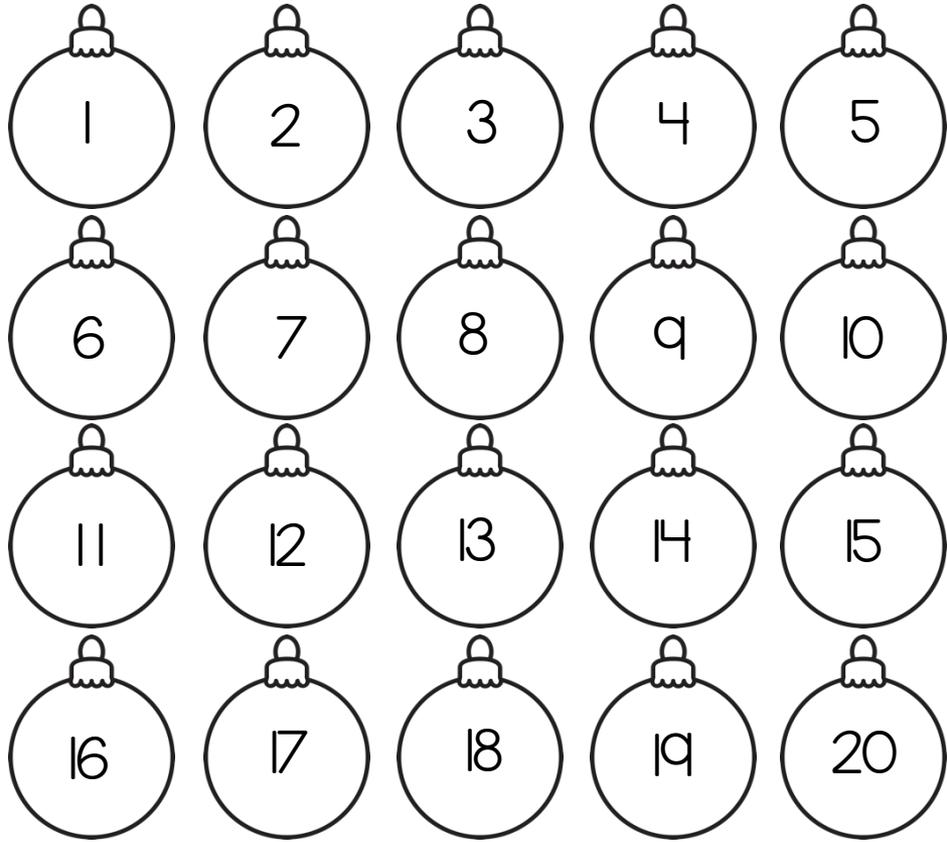
Which task was your favorite? Why?

Which was your least favorite? Why?

Name _____

Maker Space Task Cards {Christmas Edition}

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

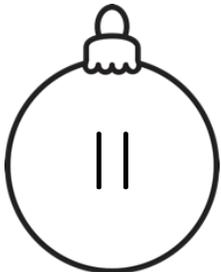
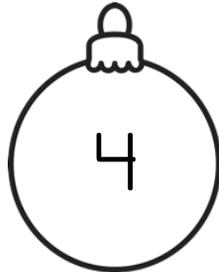
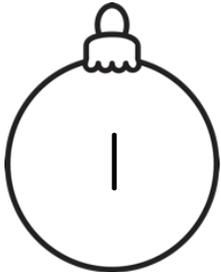


Which task was your favorite? Why?

Which was your least favorite? Why?

Maker Space Task Cards {Christmas Edition}

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



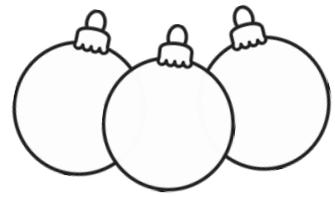
Which task was your favorite? Why?

Which was your least favorite? Why?

Name _____

Maker Space Task Cards

{Christmas Edition}



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

©2016 More Than a Worksheet

Name _____

Maker Space Task Cards

{Christmas Edition}



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

©2016 More Than a Worksheet

Name _____

Maker Space Task Cards

{Christmas Edition}



	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: _____

©2016 More Than a Worksheet

Name _____

Maker Space Task Cards

{Christmas Edition}



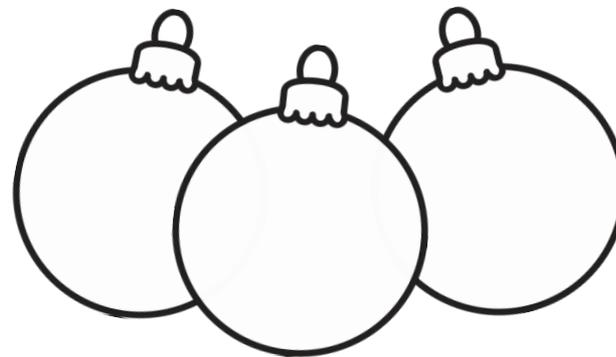
	Rarely	Sometimes	Usually	Always
I create original and innovative designs.				
I try my best on all tasks.				
I use all materials the correct way.				
I work cooperatively with my teammates.				
I am flexible if my design flops.				
I am focused and engaged with the tasks.				

Grade: _____ Comments: _____

©2016 More Than a Worksheet

Name _____

Maker Space Task Cards {Christmas Edition}



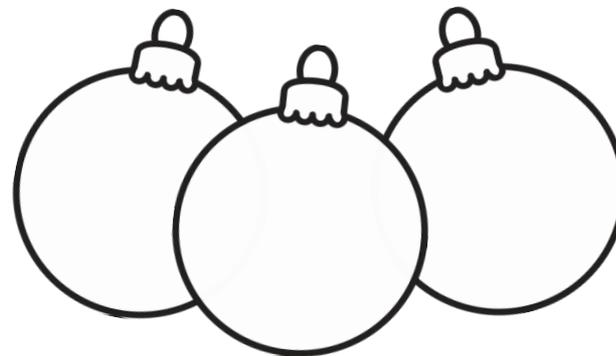
	Rarely	Sometimes	Usually	Always
I create original and innovative designs.				
I try my best on all tasks.				
I use all materials the correct way.				
I work cooperatively with my teammates.				
I am flexible if my design flops.				
I am focused and engaged with the tasks.				

Grade:

Comments:

Name _____

Maker Space Task Cards {Christmas Edition}



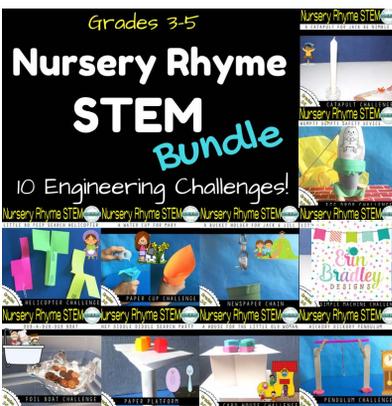
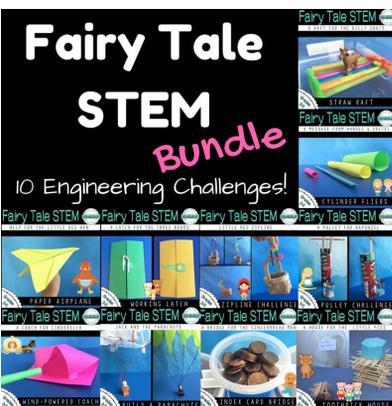
	Rarely (1 point)	Sometimes (2 points)	Usually (3 points)	Always (4 points)
I create original and innovative designs.				
I try my best on all tasks.				
I use all materials the correct way.				
I work cooperatively with my teammates.				
I am flexible if my design flops.				
I am focused and engaged with the tasks.				

Grade:

Comments:

Learning is... so much MORE Than a Worksheet!

You might also like:



Creative resources that are More Than a Worksheet!

[STEM Engineering Tasks](#)
[Maker Space Task Cards](#)

[Math Projects](#)
[For Big Kids](#)

[Readers Theater Research](#)

[Scavenger Hunts](#)

[Back to School](#)

[Timeline Task Cards](#)

[Poetry Resources](#)

[Creative Holiday Resources](#)

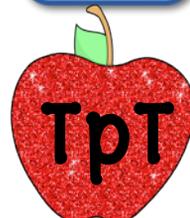
[Reading Challenges](#)

[Money Saving Bundles](#)

[FREEBIES!](#)

Please feel free to contact me with any questions, concerns, suggestions, or specific praise ;) sarah@morethanaworksheet.com

Visit me:



Credits:



<https://www.teacherspayteachers.com/Store/Lemon-Elf-Studio>

