

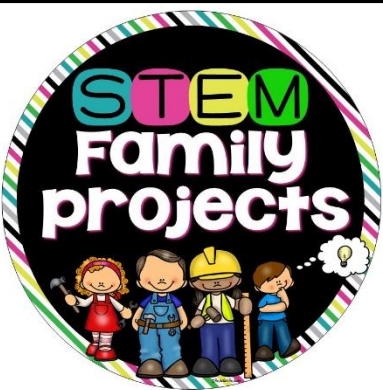
STEM

Family projects



by
Brooke
Brown





STEM Family Project
 Name: _____
 Month of: _____ Due Date: _____

create an object that floats.

- *You may use any items from home in your creation.
- *You may work alone or with a family member.
- *Remember to think like an inventor, be a problem solver, use your imagination, and have Fun!
- *We will display and present all STEM Family projects at school!

STEM Family Project
 Name: _____
 Month of: _____ Due Date: _____

create your own invention.

- *You may use any items from home in your creation.
- *You may work alone or with a family member.
- *Remember to think like an inventor, be a problem solver, use your imagination, and have Fun!
- *We will display and present all STEM Family projects at school!

STEM Family Project
 Name: _____
 Month of: _____ Due Date: _____

create a model of a building or shelter.

- *You may use any items from home in your creation.
- *You may work alone or with a family member.
- *Remember to think like an inventor, be a problem solver, use your imagination, and have Fun!
- *We will display and present all STEM Family projects at school!

STEM Family Project
 Name: _____
 Month of: _____ Due Date: _____

create a Gift for someone special.

- *You may use any items from home in your creation.
- *You may work alone or with a family member.
- *Remember to think like an inventor, be a problem solver, use your imagination, and have Fun!
- *We will display and present all STEM Family projects at school!

STEM Family Project
 Name: _____
 Month of: _____ Due Date: _____

create a musical instrument.

- *You may use any items from home in your creation.
- *You may work alone or with a family member.
- *Remember to think like an inventor, be a problem solver, use your imagination, and have Fun!
- *We will display and present all STEM Family projects at school!

STEM Family Project
 Name: _____
 Month of: _____ Due Date: _____

create something useful out of paper goods.

- *You may use any items from home in your creation.
- *You may work alone or with a family member.
- *Remember to think like an inventor, be a problem solver, use your imagination, and have Fun!
- *We will display and present all STEM Family projects at school!

STEM Family Project
 Name: _____
 Month of: _____ Due Date: _____

create a musical instrument.

- *You may use any items from home in your creation.
- *You may work alone or with a family member.
- *Remember to think like an inventor, be a problem solver, use your imagination, and have Fun!
- *We will display and present all STEM Family projects at school!

STEM projects for Every Month!

STEM Family Project
 Name: _____
 Month of: _____ Due Date: _____

create something useful that you can wear.

- *You may use any items from home in your creation.
- *You may work alone or with a family member.
- *Remember to think like an inventor, be a problem solver, use your imagination, and have Fun!
- *We will display and present all STEM Family projects at school!

STEM Family Project
 Name: _____
 Month of: _____ Due Date: _____

create something useful that includes candy.

- *You may use any items from home in your creation.
- *You may work alone or with a family member.
- *Remember to think like an inventor, be a problem solver, use your imagination, and have Fun!
- *We will display and present all STEM Family projects at school!

STEM Family Project
 Name: _____
 Month of: _____ Due Date: _____

create something useful from materials in nature.

- *You may use any items from home in your creation.
- *You may work alone or with a family member.
- *Remember to think like an inventor, be a problem solver, use your imagination, and have Fun!
- *We will display and present all STEM Family projects at school!

STEM Family Project
 Name: _____
 Month of: _____ Due Date: _____

create your own game.

- *You may use any items from home in your creation.
- *You may work alone or with a family member.
- *Remember to think like an inventor, be a problem solver, use your imagination, and have Fun!
- *We will display and present all STEM Family projects at school!

STEM Family Project
 Name: _____
 Month of: _____ Due Date: _____

create an object that can move.

- *You may use any items from home in your creation.
- *You may work alone or with a family member.
- *Remember to think like an inventor, be a problem solver, use your imagination, and have Fun!
- *We will display and present all STEM Family projects at school!

STEM Family Project
 Name: _____
 Month of: _____ Due Date: _____

create something useful out of materials that can be recycled.

- *You may use any items from home in your creation.
- *You may work alone or with a family member.
- *Remember to think like an inventor, be a problem solver, use your imagination, and have Fun!
- *We will display and present all STEM Family projects at school!

STEM Family projects



STEM Family projects



paperless
Google
slides
Notebook!

Resource
Videos & Links

Learn About Buoyancy



STEM Family Project

Name: _____
Project: _____
Materials: _____
My Blueprint: _____
Photo or Video of My Project: _____
What problem does the project solve? How is it useful?
What was most challenging about the project?

STEM Family Project

Name: _____
Project: _____
Photo or Video of My Project: _____
What problem does the project solve? How is it useful?
What was most challenging about the project?

STEM Family Project

Name: _____
Project: _____
Photo or Video of My Project: _____
What problem does the project solve? How is it useful?
What was most challenging about the project?

STEM Family Project

Name: _____
Project: _____
Photo or Video of My Project: _____
What problem does the project solve? How is it useful?
What was most challenging about the project?

STEM Family Project
create a musical instrument.
*You may use any items from home in your creation.
*You may work alone or with a family member.
*You may watch the resource videos on the next page to inspire your ideas.

STEM Family Project
create something useful that you can wear.
*You may use any items from home in your creation.
*You may work alone or with a family member.
*You may watch the resource videos on the next page to inspire your ideas.

STEM Family Project
create your own game.
*You may use any items from home in your creation.
*You may work alone or with a family member.
*You may watch the resource videos on the next page to inspire your ideas.

STEM Family Project
create something useful out of paper goods.
*You may use any items from home in your creation.
*You may work alone or with a family member.
*You may watch the resource videos on the next page to inspire your ideas.

STEM Family Project
create something useful from materials in nature.
*You may use any items from home in your creation.
*You may work alone or with a family member.
*You may watch the resource videos on the next page to inspire your ideas.

STEM Family Project
create a vehicle that moves.
*You may use any items from home in your creation.
*You may work alone or with a family member.
*You may watch the resource videos on the next page to inspire your ideas.

STEM Family Project
create something useful out of recyclable materials.
*You may use any items from home in your creation.
*You may work alone or with a family member.
*You may watch the resource videos on the next page to inspire your ideas.
*Remember to think like an inventor, be a problem solver, use your imagination, and have fun!

STEM Family Project
create a gift for someone special.
*You may use any items from home in your creation.
*You may work alone or with a family member.
*You may watch the resource videos on the next page to inspire your ideas.
*Remember to think like an inventor, be a problem solver, use your imagination, and have fun!

STEM Family Project
create your own invention.
*You may use any items from home in your creation.
*You may work alone or with a family member.
*You may watch the resource videos on the next page to inspire your ideas.
*Remember to think like an inventor, be a problem solver, use your imagination, and have fun!

STEM Family Project
optional Extensions
Create an instruction manual for your project.
Create a poster to advertise your project.
Write a video to explain your project.

STEM Family Project
presentation
What did you create?
What materials did you use?
Which intelligence or "smart" did you use while designing and creating this project?
How is your project useful?
What problem could it solve?
What is your favorite thing about your project?
What was most challenging about this project?

STEM Family Project

Name: _____
Reflection Sheet for _____

STEM Family Project

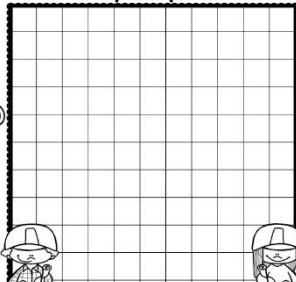
Name: _____
Planning Sheet for _____

Materials

My Blueprint

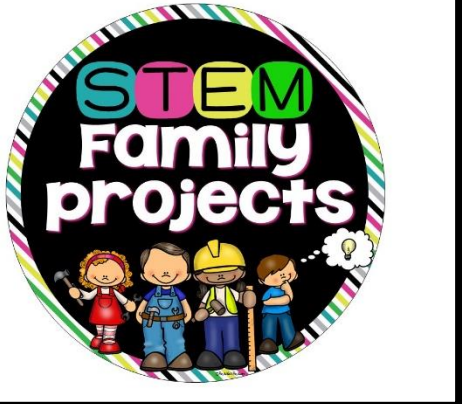


Ideas



...ing and creating your project.
...math and science, body, word
...em does it solve?
...his project?
...project?

STEM Family Project Assessment Rubric			STEM Family Project Assessment Rubric		
Project: _____	Project: _____	Project: _____	Project: _____	Project: _____	Project: _____
Date: _____	Date: _____	Date: _____	Date: _____	Date: _____	Date: _____
Student Name: _____	Student Name: _____	Student Name: _____	Student Name: _____	Student Name: _____	Student Name: _____
3	2	1	3	2	1
Student followed all instructions for project.	Student followed some instructions for project.	Student did not follow instructions for project.	Student followed all instructions for project.	Student followed some instructions for project.	Student did not follow instructions for project.
Student used best effort and perseverance on project.	Student used good effort and perseverance on project.	Student showed little effort or perseverance on project.	Student used best effort and perseverance on project.	Student used good effort and perseverance on project.	Student showed little effort or perseverance on project.
Student completed assigned planning and reflection sheets.	Student partially completed assigned planning and reflection sheets.	Student did not complete assigned planning and reflection sheets.	Student completed assigned planning and reflection sheets.	Student partially completed assigned planning and reflection sheets.	Student did not complete assigned planning and reflection sheets.
Project serves a useful purpose.	Project serves somewhat of a useful purpose.	Project serves little to no purpose.	Project serves a useful purpose.	Project serves somewhat of a useful purpose.	Project serves little to no purpose.
Student returned project on or before the due date.	Student returned project 1-2 days late.	Student returned project 3 or more days late.	Student returned project on or before the due date.	Student returned project 1-2 days late.	Student returned project 3 or more days late.
Student used best effort during presentation.	Student used good effort during presentation.	Student used poor effort during presentation.	Student used best effort during presentation.	Student used good effort during presentation.	Student used poor effort during presentation.
TOTAL POINTS: _____	TOTAL POINTS: _____	TOTAL POINTS: _____	TOTAL POINTS: _____	TOTAL POINTS: _____	TOTAL POINTS: _____
Comments: _____	Comments: _____	Comments: _____	Comments: _____	Comments: _____	Comments: _____



planning & Reflection sheets, EDITABLE parent Letters, presentation & Display TOOLS, and Assessment Rubric!

STEM Family Project Presentation

- 1 What did you create?
- 2 What materials did you use?
- 3 Which intelligences or "smarts" did you use while designing and creating this project?
(pictures/art, nature, music, self, people, logic/math and science/body, word)
- 4 How is your project useful?
What problem could it solve?
- 5 What is your favorite thing about your project?
- 6 What was most challenging about this project?



STEM Family Project Optional Extensions

Create an instruction manual for your project.

Create a poster to advertise your project.

Create a video to explain your project.

STEAM version

STEAM Family Project

Name: _____ Date: _____

Month of: _____

create your own Invention.

*You may use any items from home in your creation.

*You may work alone or with a family member.

*Remember to think like an inventor, be a problem solver, use your imagination, and have fun!

*We will display and present all

STEAM Family project

Name: _____

Month of: _____

Due Date: _____

create something useful out of materials that can be recycled.

*You may use any Items from home in your creation.

*You may work alone or with a family member.

*Remember to think like an inventor, be a problem solver, use your imagination, and have fun!

*We will display and present all STEM family projects at school!



STEAM Family pr

Name: _____

STEAM Family projects



Dear Family, _____ Date: _____

Today, your child is bringing home instructions for his or her

Project. Projects between skills that and most test, and your hom Your child with the her, creat STEAM th

Project: _____ Name: _____

Month of: _____ Due Date: _____

create a model of a Building or shelter.

*You may use any

STEAM Family pro

Name: _____

Month of: _____ Due Date: _____

create an object that float

STEAM Family project

Name: _____

Month of: _____ Due Date: _____

create your own game.

*You may use any items from home in your creation.

*You may work alone or family member.

STEAM Family project

Name: _____

Month of: _____ Due Date: _____

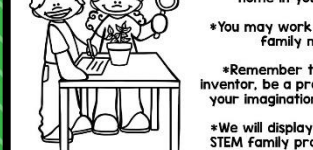
create something useful from materials in nature

*You may use any items from home in your creation.

*You may work alone or family member.

*Remember to think like an inventor, be a problem solver, use your imagination, and have fun!

*We will display and present all STEM Family projects at school!



Planning Sheet for

My Blueprint

create of a E

STEAM Family pr

Name: _____

Month of: _____

Due Date: _____

STEAM Family project

Name: _____

Month of: _____

Due Date: _____

STEAM Family project

Name: _____

Month of: _____

Due Date: _____

STEAM Family project

Name: _____

Month of: _____

Due Date: _____

STEAM Family project

Name: _____

Month of: _____

Due Date: _____

STEAM Family project

Name: _____

Month of: _____

Due Date: _____

STEAM Family project

Name: _____

Month of: _____

Due Date: _____

STEAM Family project

Name: _____

Month of: _____

Due Date: _____

create something useful that includes candy.

*You may use any items from home in your creation.

*You may work alone or with a family member.

*Remember to think like an inventor, be a problem solver, use your imagination, and have fun!

*We will display and present all STEM Family projects at school!



STEAM Family Project Assessment Rubric

Project: _____ Date: _____ Student Name: _____

5	4	3	2	1
Student followed all instructions for project.	Student followed some instructions for project.	Student followed few instructions for project.	Student did not follow instructions for project.	Student did not follow instructions for project.
Student used best effort and perseverance on project.	Student used good effort and perseverance on project.	Student used little effort and perseverance on project.	Student used some effort and perseverance on project.	Student used little effort and perseverance on project.
Student completed assigned planning and reflection sheets.	Student partially completed assigned planning and reflection sheets.	Student did not complete assigned planning and reflection sheets.	Student did not complete assigned planning and reflection sheets.	Student did not complete assigned planning and reflection sheets.
Project serves a useful purpose.	Project serves somewhat of a useful purpose.	Project serves little to no purpose.	Project serves a useful purpose.	Project serves little to no purpose.
Student returned project on or before the due date.	Student returned project 1 or more days late.	Student returned project 2 or more days late.	Student returned project on or before the due date.	Student returned project 1 or more days late.
Student used best effort during presentation.	Student used good effort during presentation.	Student used poor effort during presentation.	Student used best effort during presentation.	Student used poor effort during presentation.
TOTAL POINTS: /18				

STEAM Family Project Assessment Rubric

Project: _____ Date: _____ Student Name: _____

5	4	3	2	1
Student followed all instructions for project.	Student followed some instructions for project.	Student followed few instructions for project.	Student did not follow instructions for project.	Student did not follow instructions for project.
Student used best effort and perseverance on project.	Student used good effort and perseverance on project.	Student used little effort and perseverance on project.	Student used some effort and perseverance on project.	Student used little effort and perseverance on project.
Student completed assigned planning and reflection sheets.	Student partially completed assigned planning and reflection sheets.	Student did not complete assigned planning and reflection sheets.	Student did not complete assigned planning and reflection sheets.	Student did not complete assigned planning and reflection sheets.
Project serves a useful purpose.	Project serves somewhat of a useful purpose.	Project serves little to no purpose.	Project serves a useful purpose.	Project serves little to no purpose.
Student returned project on or before the due date.	Student returned project 1 or more days late.	Student returned project 2 or more days late.	Student returned project on or before the due date.	Student returned project 1 or more days late.
Student used best effort during presentation.	Student used good effort during presentation.	Student used poor effort during presentation.	Student used best effort during presentation.	Student used poor effort during presentation.
TOTAL POINTS: /18				

- 1 What did you create?
- 2 What materials did you use?
- 3 Which intelligences or "smarts" did you use while deciding and creating this project?

STEAM Family project presentation

Project: _____ Date: _____ Student Name: _____

5	4	3	2	1
Student followed all instructions for project.	Student followed some instructions for project.	Student followed few instructions for project.	Student did not follow instructions for project.	Student did not follow instructions for project.
Student used best effort and perseverance on project.	Student used good effort and perseverance on project.	Student used little effort and perseverance on project.	Student used some effort and perseverance on project.	Student used little effort and perseverance on project.
Student completed assigned planning and reflection sheets.	Student partially completed assigned planning and reflection sheets.	Student did not complete assigned planning and reflection sheets.	Student did not complete assigned planning and reflection sheets.	Student did not complete assigned planning and reflection sheets.
Project serves a useful purpose.	Project serves somewhat of a useful purpose.	Project serves little to no purpose.	Project serves a useful purpose.	Project serves little to no purpose.
Student returned project on or before the due date.	Student returned project 1 or more days late.	Student returned project 2 or more days late.	Student returned project on or before the due date.	Student returned project 1 or more days late.
Student used best effort during presentation.	Student used good effort during presentation.	Student used poor effort during presentation.	Student used best effort during presentation.	Student used poor effort during presentation.
TOTAL POINTS: /18				

Comments: _____