



Power-Up Adventure

STEM WINTER ADVENTURE K-1



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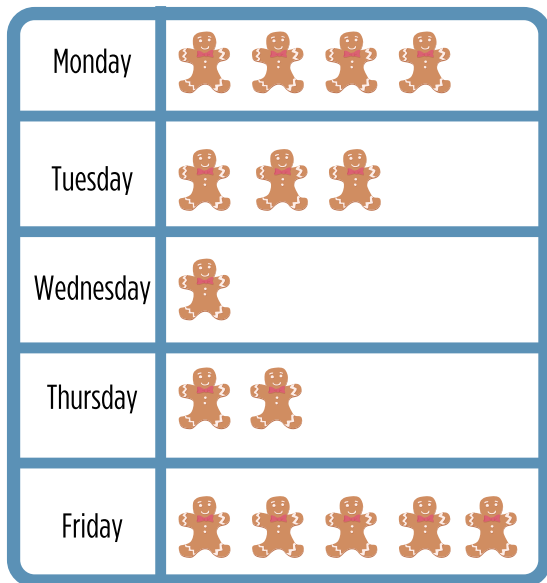
Pastry Chef-Career Introduction


Meet Beckett. Beckett is a pastry chef. Pastry chefs are people who make baked goods. Baked goods are foods that are made from dough or batter.

Today, you will imagine you are a pastry chef who is looking at how many gingerbread cookies you sold this week. On the next page, use the graph to answer the questions.



Reading a Pictograph



 = 1 cookie

1. On what day did you sell the **most** gingerbread cookies? How many did you sell? **Friday, 5 cookies**
2. On what day did you sell the **least** amount of gingerbread cookies? How many did you sell? **Wednesday, 1 cookie**
3. How many more gingerbread cookies did you sell on Monday than on Tuesday? **1 cookie**
4. How many gingerbread cookies did you sell on Thursday? **2 cookies**

Exploring Shapes and Colors

Pastry chefs often decorate the food that they bake! Using the directions below, drag the shapes to decorate the gingerbread house.

Use the two blue circles as eyes.

Use the red rectangle as a mouth.

Use the yellow triangle as a button.

Use the pink square as a button.

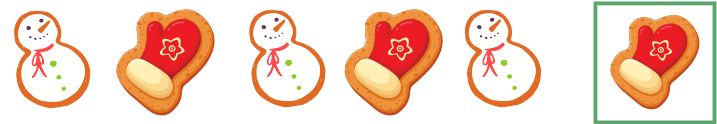
Use the orange star as a button



Creating Patterns

Find out which cookie you should bake next by finishing the patterns below. Drag the cookie at the bottom of the page that follows the pattern into the box. An example has been done for you.

EXAMPLE:



Creating Patterns

Drag the shapes at the bottom of the page to make three different patterns. Each pattern needs at least 6 cookies in it.

1.

2.

3.



Children's Book Author-Career Introduction

Meet Elaine. Elaine is a children's book author.

A children's book author writes books for kids! They come up with fun and exciting book ideas for kids to read!

Children's book authors often write fiction books for kids. Fiction books use made up characters and stories.



Learning About Fiction Stories

Fiction Stories

Fiction stories are make believe! Authors write fiction stories by using ideas from their imagination!

Characters

Who the story is about.



Events

What happens at the beginning, middle, and end of the story.



Setting

Where the story takes place.

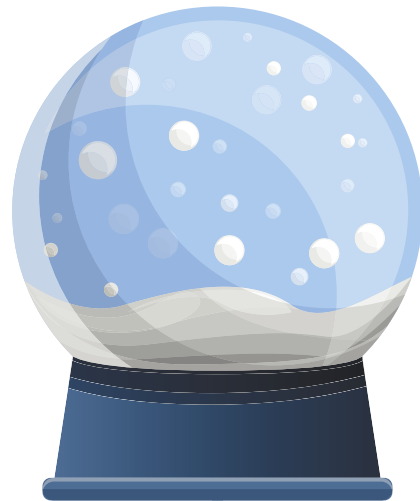


Learning About Fiction Stories

Learning About Fiction Stories

Today you are going to write a fiction story about being trapped inside a snow globe. This is a fiction story because it is about something that could not happen in real life.

First, you will brainstorm ideas. Brainstorming is when you create a list of ideas that you have before you start writing. On the next slide you will brainstorm ideas about why you are trapped in the snow globe.



Brainstorm for Your Fiction Story

Step 1: Brainstorm

There are two boxes below. In each box write a different idea for why you are trapped in the snow globe.

Idea 1:

Idea 2:

Main Idea:

You are trapped in
a snow globe.

Drag the star and place it next to your favorite idea. You will use this idea to write your story.

Plan Your Fiction Story

Step 2: Plan Your Story.

In the character box write who will be in the story.

In the setting box add details about where the story happens. We know that the story happens inside a snow globe. Tell us where the snow globe is. For example, the snow globe could be on a shelf in your room or at the North Pole!

Characters: Who is the story about.

Setting: Where does the story happen.

Write Your Fiction Story

Step 3: Write Your Story

Write your story about being trapped in a snow globe using the boxes below.

First,

Next,

Then,

Last,

Engineer-Career Introduction

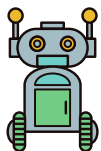
Meet Becca. Becca is an engineer.

Engineers are people who design and build things to fix problems or make life easier.



Take a look at just a few things that engineers create below!

Robots



Cars



Phones



Airplanes



Buildings



Learning About Goals

Becca is an aerospace engineer. Aerospace engineers focus on designing and building things that fly. Becca has helped design a lot of different airplanes and helicopters!

Becca wants to try something new and become an even better aerospace engineer. She decides she is going to set a goal for herself.

A goal is something that you want, but have to work hard for to get it.

Becca has always wanted to help build a spacecraft. She is going to make her goal about that. Let's see the steps she takes to set her goal!

Learning About Goals

Step 1: Write Down Goal

First, Becca decides to write her goal down. She writes, "My goal is to help build a spacecraft that goes to Mars."

Step 2: Make a Plan

Then, she makes a plan. She writes down three things she can do that will help her reach her goal.

1. Read 2 new books about spacecrafts.
2. Get advice from others who have built spacecrafts for outer space.
3. Apply to jobs that build spacecrafts that go to Mars.

If Becca works hard and follows her plan, then she will reach her goal! Go to the next slide to make your own goal!

Set Your Own Goal

Today you are going to make a goal and then create a plan that will help you reach that goal!

Step 1: Write Your Goal

In the box below, write your goal.

Examples:

- My goal is to learn to count to 100 without help.
- Read 10 books by myself.

My goal is to....

Set Your Own Goal

Step 2: Write Your Plan

In the box below, write at least two things you will do to help you reach your goal.

Two things that I will do to reach my goal are...

1.

2.