

2nd – 3rd Grade

FLIP THAT GINGERBREAD HOUSE!

Project Based Learning

DO YOUR RESEARCH!

Before taking on a project like this, you'll need to do some research that goes into flipping a house? Do you know what you're getting into? They will come in handy.

2nd - 3rd Grade
Print & Digital

WHAT IS AN INVOICE?

WHAT IS AN INVOICE?

An invoice is a document. It helps you keep track of purchases. They are organized and detailed. It will be important for you to record your purchases on an invoice as you fix up your house. This will help you with two things staying within your budget and calculating the value of the work you did at home.

The cart of each item

- Milk
- Eggs
- Coffee

Cash Spent	Added Value
\$3.00	\$4.00
	\$1.00

→ entering total of all amount spent

It will be important to help you with two things: **remained home.**

Example
This example was created by a computer. The first bar shows the purchases while the second bar shows the sales. It helps her stay within budget and the value of the transactions when she is finished. Read the blue boxes to learn more about each.

Item	Cost	Cost/Gain	Value
Reinforced Lumber	\$200	\$200	\$200
2x4 Joists	\$50	\$50	\$50
1x6 Sill Plates	\$20	\$20	\$20
2x6 Brackets	\$30	\$30	\$30
Angles	\$5	\$5	\$5
Doors	\$5	\$100	\$100
Chairs	\$5	\$5	\$5
10x10 Paper	\$20	\$20	\$20
Carpet	\$5	\$5	\$5
2x10 Lumber		\$600	

Total amount of money spent: \$600

Total value of the transactions

1 inch Screws	\$10
6-inch Brackets	\$30
Hinges	\$5
Doorbells	\$25
Chain Lock	\$10
10 ft. Rope	\$10
Curtain Rod	\$5
2 ft. Curtain	
Total Amount of Money Spent	
	Total Value

DO YOUR RESEARCH

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Before taking on a project like this, you'll need to do some of everything that goes into flipping a house? Do you know? Study the vocabulary cards below. They will come in h

renovate

to report

2nd — 3rd
Grade

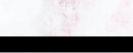
Gingerbread House Escape Room



You know the story of Hansel and Gretel! Two sweet little children, looking for food, and leaving a trail of breadcrumbs behind them! Soon, they meet a friendly witch who's more than happy to have them for dinner! See if YOU can escape my gingerbread house!

Challenge 1: Get two long walls for your gingerbread house.
Challenge 2: Get two short walls for your gingerbread house.
Challenge 3: Get a roof for your gingerbread house.
Challenge 4: Get icing for your gingerbread house.

After each challenge, collect some gingerbread parts to build your



Print and Digital



Magi
CORE

Gingerbread House Escape Room

2nd — 3rd
Grade



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Print and Digital

Magic
CORE

Print & Two Digital Options

Digital Instructions

[Click here](#) to access the Google Slides version of this resource.

[Click here](#) to access the Decorator's Decoder to use in Google Sheets.

[Click here](#) to watch a video to use the digital version of this resource.

Printable Directions

Materials:

- Printed cards for each team
- Computer or tablet for videos (optional)

Duration: Approximately 90 minutes. You can also split this up into four 20 to 30-minute activities over four days, having students complete one challenge per day.

Prep: Print challenge cards and recording sheet for each team. Place challenge cards into envelopes.

Directions:

1. Split your class into teams of 4-5 students. Ensure teams are multi-level.
2. (Optional) Show the introduction video.
3. Give each team their envelope for challenge #1.
4. Allow time for the teams to work through each challenge. Once they complete the challenge, they should record answers in their brochure. Then, they will turn the code in to the teacher to check before the teacher assigns the next challenge. (Optional) Teacher may show completion videos after each challenge is solved. Students can also scan the provided QR codes to view the videos.
5. The first team to complete all four challenges escapes the gingerbread house first!
6. Assign "oops" cards to help create equity. Give an "oops" card to students who are taking the lead, to encourage them to step back and give other students a turn.

The Story

Scan the QR code or [click here](#) to view the video.



Print Friendly Version

Cordelia and the Animal Army

In a kingdom far away, a young woman named Cordelia lived in a small cottage. Her home was simple. The sheep that she kept in a fenced pen beside the cottage were her only family.

But that was not always the case.

When Cordelia was just a child, she lived in the great palace on the mountain. Her parents were the king and queen of the kingdom. She enjoyed every luxury of the land. The finest clothes, the rarest jewels, and every kind of food one could imagine were all hers. Her life was so different from the lonely, dirty, and hungry one she lived now.

All thanks to an evil wizard.

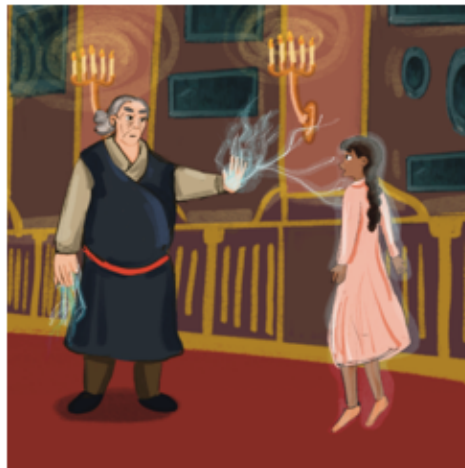
It had been a stormy night. Lightning streaked across the black sky. Thunder echoed off the palace's stone walls. Rain beat down on the entire kingdom. Cordelia hadn't been able to sleep, so she called out to her maid.

"Rosalie, can you bring some warm milk to settle me?"

Rosalie didn't answer. Rosalie *always* answered. Cordelia slid out of bed. She crept to her chamber door and peeked into the hallway. It was entirely empty! There was no sign of Rosalie or palace guards or anyone at all.

Then, something moved. There in the shadows at the end of the hall.

A man with a horribly scarred face rushed at her, sparks flying from his fingertips and passing right through Cordelia. When she



s magic had

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t take it

how they
stores of
lead them to

ed behind her
er.

eatures-
hawk talons

ged. From

Digital Webscape™ & Google Slides



Webscape™ is Interactive & Self-Correcting!

Challenge #1

Click on the book to read the text, then click on each clue and answer the questions. Answer carefully, because the right answers will give you the clues to solve the challenge!

How did you walk around the melting floor?



Clue #1



Clue #2



Clue #3



Clue #4



Clue #5



Clue #6



Webscape™ Includes Audio Option!



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Videos Tell the Story



Challenges Assess Various Skills

Challenge #2

1. Read the story and answer the questions to escape the gingerbread house.
2. Use your answers to get two long walls. Add them to your gingerbread house.



Comprehension Questions

1. How does Thomas feel after Captain Hawke rejects his request to join the crew? ☐
 - a. Thomas feels bored.
 - b. Thomas feels satisfied.
 - c. Thomas feels angry.
 - d. Thomas feels sick.

2. What mistake does the captain make in this story? ☐
 - a. The captain hires a weak crew member.
 - b. The captain thinks he knows how strong and hardworking Thomas is because of the shape and size of his body.
 - c. The captain puts his crew in danger in order to play a prank on them.
 - d. The captain trusts his crew's judgment and lets Thomas try being a crew member.

3. Read the sentence.

Thomas stood there for a few moments, anger welling up inside him.

What is the meaning of the underlined phrase in the sentence? ☐

 - a. getting stronger
 - b. crying
 - c. going away
 - d. getting confused

Google Slides Prompt Students to use Decoder



Roof!

Enter your answers in the Decorator's Decoder to see if you are ready to get your roof.



DO NOT go to the next page until
prompted to do so by the
Decoder!

©John Baker

Google Slides Decoder in Digital Version is Self-Checking

The screenshot shows a Google Slides window titled "Escape the Gingerbread House Escape Room Decoding Tool". The interface includes a menu bar (File, Edit, View, Insert, Format, Data, Tools, Add-ons, Help) and a toolbar with various editing tools. The main workspace is a light blue grid. A table is displayed with the following structure:

	A	B	C	D	E	F	G	H
1								
2	Question #							
3	Your Answers							
4								
5	How did you walk across the melting floor?							
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								

A yellow text box in the center of the grid contains the message: "KEEP LOOKING! DO NOT MOVE ON TO THE NEXT SLIDE."

At the bottom of the window, a navigation bar shows four challenges:

- Challenge 1 - Get your two short walls!
- Challenge 2 - Get your two long walls!
- Challenge 3 - Get a roof for the gingerbread house!
- Challenge 4 - Get icing for the gingerbread house!

Printable Version Includes "Ooops!" Challenges



Ooops!

You dropped your glasses in the candy c



NO USING YOUR EYES FOR 5
MINUTES!

Ooops!

You forgot to decorate your gingerbread house!



YOU MUST STAY QUIET FOR 5
MINUTES. NO SPEAKING!



Printable Version Includes Recording Brochure & Decoder



Decorator's Decoder

Use the following codes for each challenge to collect your gingerbread house parts and move to the next challenge.

Challenge 1	Question 1	Question 2	Question 3	Question 4	Question 5	Question 6
	a = We b = Just c = With d = In	a = a b = the c = past d = where	a = the b = middle c = around d = pair	a = group b = the c = far d = of	a = the b = rain c = dark d = wet	a = falling b = adding c = boots d = gear

Challenge 2	Question 1	Question 2	Question 3	Question 4	Question 5	Question 6
	a = By b = If c = The d = We	a = noticed b = one c = felt d = that	a = over b = with c = some d = the	a = round b = exciting c = the d = a		

Challenge 3	Question 1	Question 2	Question 3	Question 4
	a = The b = Many c = I d = We	a = had b = ate c = noticed d = saw	a = my b = many c = over d = several	a = around b = way c = through d = over

Question 1	Question 2	Question 3	Question 4
	a = discovered b = before c = thought d = was	a = the b = full c = tight d = near	a = shift b = helpful c = trick d = door



CHALLENGE 1



	Answer	Code
1.	C	With
2.	A	a
3.	D	pair
4.	D	of
5.	B	rain
6.	C	boots.

How did you walk across the melting floor?

With a pair of rain boots.

CHALLENGE 2

	Answer	Code
1.	C	The
2.	B	one
3.	B	with
4.	D	a
5.	A	lion's
6.	B	mane.

What animal cracker was the scariest?

The one with a lion's mane.



CHALLENGE 3



	Answer	Code
1.	C	I
2.	B	ate
3.	A	my
4.	B	way
5.	D	through
6.	C	it.

How did you get through the s'mores maze?

I ate my way through it.

FLIP THAT GINGERBREAD HOUSE!

Project Based Learning

2nd - 3rd Grade
Print & Digital

DO YOUR RESEARCH!

Before taking on a project like this, you'll need to do some research. Are you aware of everything that goes into flipping a house? Do you know the basic terminology? Study the vocabulary cards below. They will come in handy!

renovate



to repair
something

budget



the amount of
money available
to spend

value



how much
something is
worth

WHAT IS AN INVOICE?

An invoice is a document. It helps you keep track of purchases. They are organized and detailed. It will be important for you to record your purchases on an invoice as you fix up your house. This will help you with two things: staying within your budget and calculating the value of your renovated home.

Example:
This invoice was created by a carpenter. She tracked her purchases while building a treehouse. It helped her stay within her budget and calculate the value of the treehouse when she was finished. Read the blue boxes to learn more about each column.

list of every item purchased	Item	the cost of each item	Cash Spent	Added Value
	Redwood Lumber	\$340	\$340	\$400
	3-inch Screws	\$15	\$355	\$20
	1-inch Screws	\$5	\$360	\$10
	6-inch Brackets	\$100	\$460	\$115
	Hinges	\$15	\$475	\$25
	Doorknob	\$10	\$485	\$25
	Chain Lock	\$5	\$490	\$20
	10 ft. Rope	\$25	\$515	\$50
	Curtain Rod	\$10	\$525	\$15
	2 ft. Curtain	\$5	\$530	\$15
Total Amount of Money Spent:			\$530	-
Total Value of the Treehouse:				\$695

the value added to the treehouse



Print and Digital Versions

FLIP THAT GINGERBREAD HOUSE!

You notice an ad in the newspaper. A crumbling gingerbread house in your neighborhood is for sale! You have always dreamed of buying a fixer upper to renovate and sell...maybe this is your chance! You will have to flip this house from start to finish. Are you up for the challenge?

Here are your tasks:

- Inspect the newspaper ad.
- Research home renovation.
- Budget and plan the home renovation.
- Budget and plan the landscape.
- Prepare for an open house! Determine listing price and write a newspaper ad.
- Showcase your fixer upper job.
- Complete the reflection.



FOR THE TEACHER

Flip That Gingerbread House is a project-based learning task that utilizes real-life math, writing, and research skills. It is created for students in second and third grade. This project is open-ended and is easily adapted and differentiated to meet most students' levels.

- To increase rigor: Incorporate one or all of the challenges.
- To provide further support: Provide the vocabulary words students will need, rather than having them discover them independently. Students can also work in groups or pairs to plan out their renovation.

Directions:

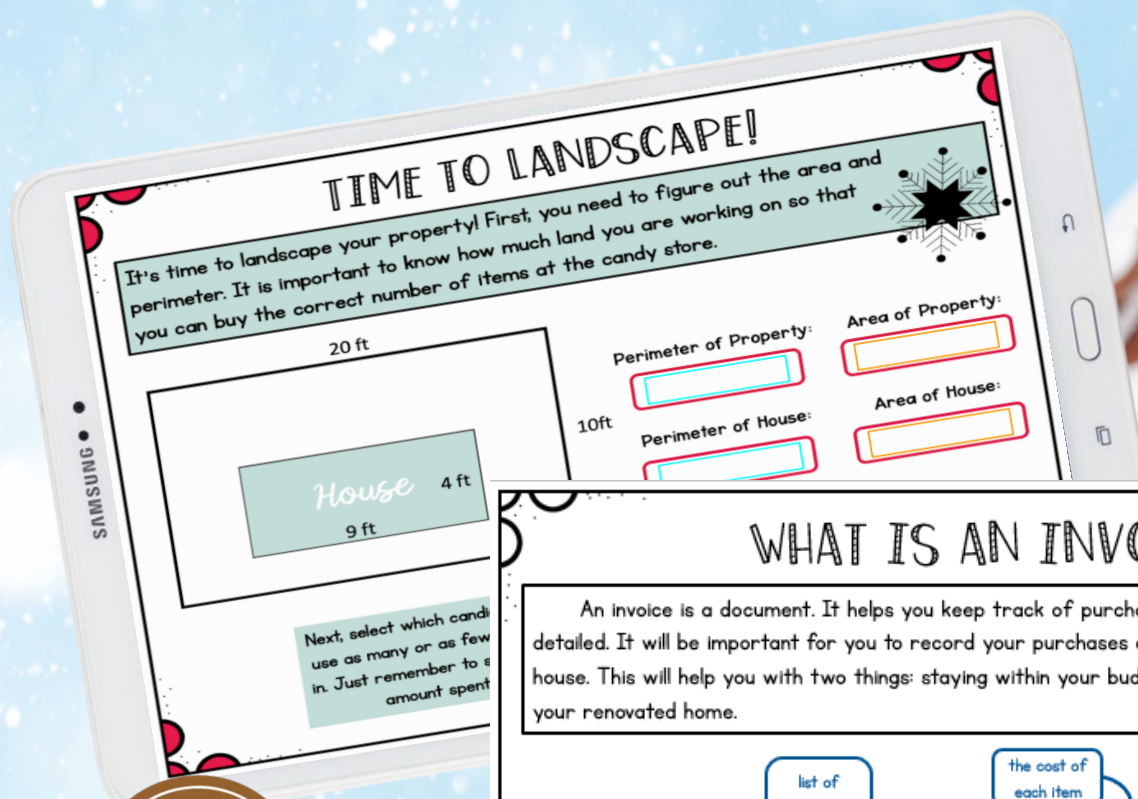
1. Assign students to work alone, in pairs, or in small groups.
2. Preview the activity with your students. Allow students class time to complete the activity. This should take one to two weeks (depending on the length of each class period).
3. Have students complete the self-evaluation reflection.
4. Allow students the opportunity to share and present their completed projects.

Suggested Order of Activities:

1. Present the newspaper ad that lists the gingerbread house for sale.
2. Explain to students that they will be renovating this old house. Go over the related vocabulary words.
3. Give students their budget for the renovation and have them experiment with making profit from the sale of a house.
4. Students will learn about an invoice and receive the invoice they are to use throughout this PBL activity.
5. Allow students to explore and choose the renovations they feel will bring in the most profit.
6. Next, students can practice area and perimeter with their fixer upper. Have students choose which items to landscape their gingerbread house. They can decorate the outside of their gingerbread house and draw their own landscape OR cut out the "stickers" to replicate the items they purchased for their landscape.
7. Using their invoice, students will determine the proper listing price (based on the added value they acquired) and create a newspaper ad listing their renovated gingerbread house for sale.
8. Finally, they can post their renovation process on social media!



Explores Multiple Math Skills



WHAT IS AN INVOICE?

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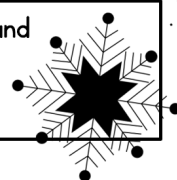
the value added to the treehouse

Engaging and Meaningful!

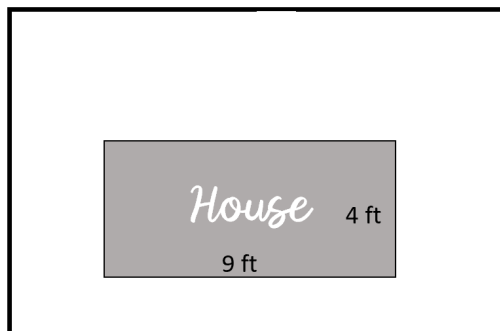


TIME TO LANDSCAPE!

It's time to landscape your property! First, you need to figure out the area and perimeter. It is important to know how much land you are working on so that you can buy the correct number of items at the candy store.



20 ft



10ft

Perimeter of Property:

Area of Property:

Perimeter of House:

Area of House:

Next, select which candies you would like to landscape your yard with. You can use as many or as few as you like. Consider what buyers might be interested in. Just remember to stay within your budget! Afterwards, transfer the total amount spent on landscape to your final fixer upper invoice.

© Julie Bishop



Engaging & Interdisciplinary

RENOVATION TIME!

Renovate! Your contractor gave you many renovation packages to choose from. There are two choices for each room in your house. There are also some "bonus" package options. You can choose whatever packages you want, and you can even choose multiple packages from each section. When you're considering which package you want, remember to stay within your budget. Also remember to think about how each package will add value to your home. Record your choices in the fixer upper invoice.

Bedroom #1 Renovation Packages:

Candy Cane Lane ~ costs \$100 ~

- Includes:
- new wood floors
 - new east...

Fudge Swirl Fun costs \$50 ~

ing
is to full bathroom

\$5 in value*

CREATING A SOCIAL MEDIA POST

Now, you are going to create three posts to add to your social media account.
Make sure to include all three elements described below.



Use your new profile pic and username here.

Post a photo of a moment during your fixer upper journey.

Caption the photo and the context.
How does the photo relate to the fixer upper project?
Use details and descriptions of the house you renovated when possible.

Writing

WRITE A NEWSPAPER AD!

Remember the newspaper ad featuring this fixer upper when you bought it? It has many details and provides a lot of information about the house. Now, it is time to write a new ad for this house! You've fixed it up so well, and now it's time to sell it! Your ad should have important details. It should also be written in a way that convinces readers to buy your house.

FOR SALE 2 BEDROOM 1.5 BATH 1,434 SQ. FT. HOME FOR SALE. The house was built in 1899 by the Winston brothers. It is a beautifully constructed home that has been a landmark in this community for more than 100 years. It has seen better days, but the property is full of potential. It was built with squishy marshmallows, double chocolate chips, and swirly candy canes. The property around the home is filled with fluffy frosting and crumbling shortbread cookie trees. It may not be your style as is, but with a little bit of love, this house could be amazing. We hope someone like you sees the potential in this home like we do! Contact the real estate agent at (123) 456-7890 for more details, or to make a serious offer. This fixer upper costs \$100,000.00. Price is firm.



Use as many adjectives as possible while writing. This will help you write a detailed ad. Inside the box there are several adjectives you can use! Remember to also draw a picture of your house for readers to see!

excellent

glowing

bright

beautiful

elegant

happy

quiet

lovely

sweet

© Julie Beckner

© Julie Beckner

Creativity

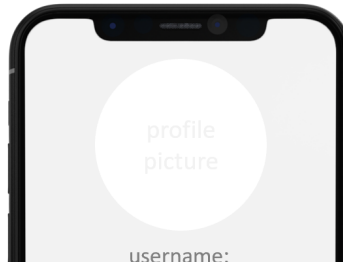
SHOWCASE YOUR FIXER UPPER!



In order to showcase your fixer upper journey, you'll need to make a social media account. First, create a profile picture. Then, choose a username. And finally, write a biography.

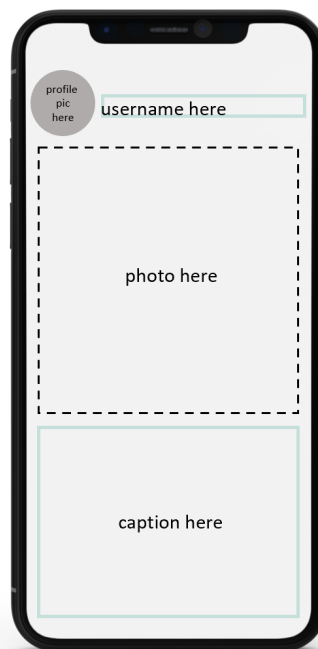
A biography should be a few sentences who you are and what you are going to share on your page. For example, a bio could be:

"Hi! I'm _____
fixer upper journey! I love to renovate and draw... All of the things I want to me renovate this house!"



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Caption the photo and the context. How does the photo relate to the fixer upper project? Use details and descriptions of the house you renovated when possible.

Reflection



GINGERBREAD RENOVATION REFLECTION



What was your profit?

Are you happy with the amount of money you made flipping the gingerbread house? Why or why not?

If you came across another newspaper ad for a fixer upper, would you consider buying it? Why or why not?

Given another opportunity, how would you flip another house differently? Would you choose different packages? Spend more money renovating? Etc.

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