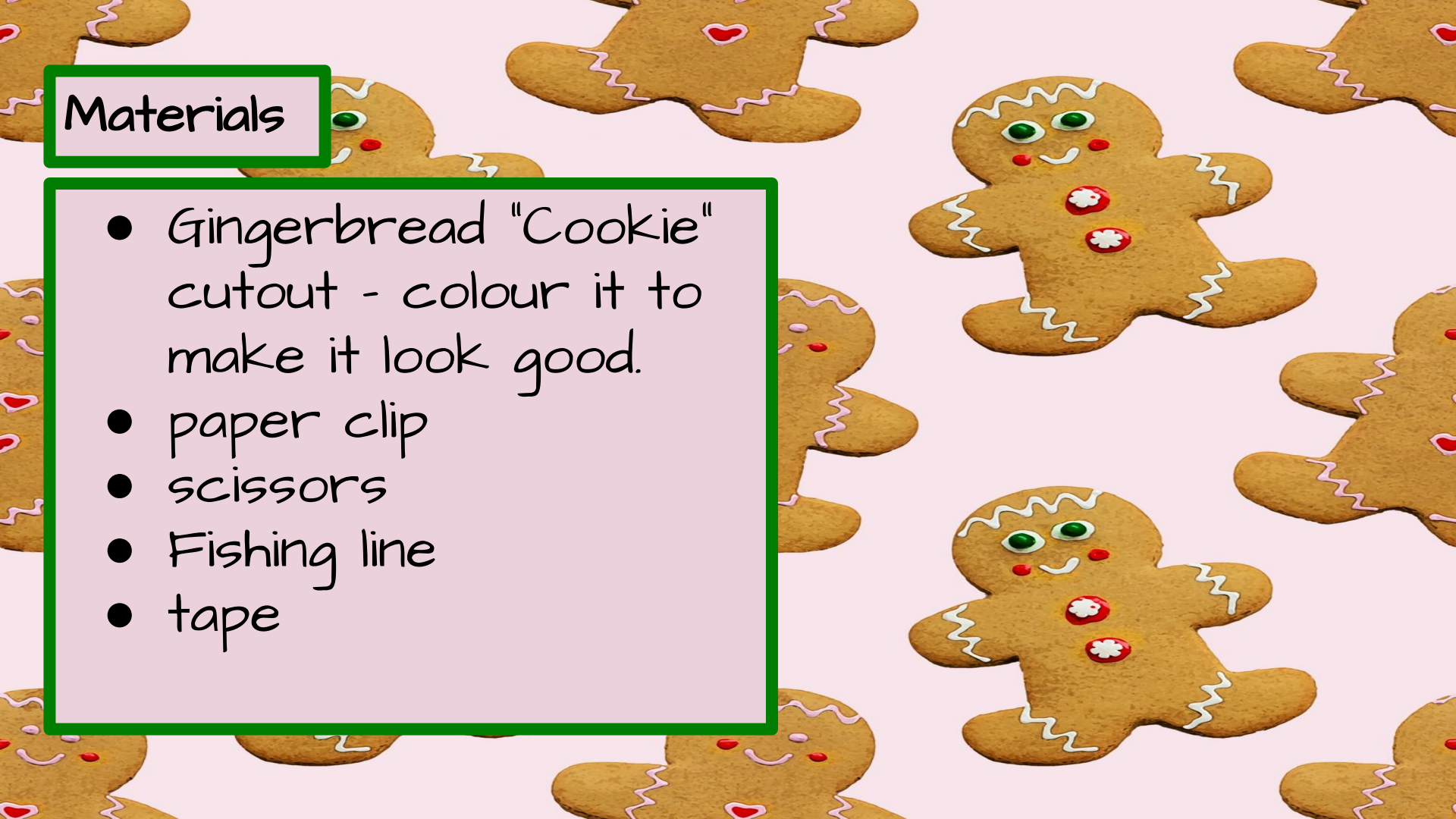
The background of the slide is a repeating pattern of gingerbread cookies. Some cookies are decorated with white icing outlines, green icing eyes, red icing mouths, and red icing hearts. Others have white icing outlines, red icing mouths, and red icing hearts. The cookies are arranged in a scattered pattern across the slide.

Today's Challenge:
Build a Gingerbread Cookie
Zip Line!

Materials

- Gingerbread "Cookie" cutout - colour it to make it look good.
- paper clip
- scissors
- Fishing line
- tape



The background of the slide is decorated with several gingerbread man cookies. Some are plain with white icing outlines, while others have red icing hearts or faces. One cookie in the upper right has large green eyes and a red nose.

Think/Ask

- Why do people use zip lines?
- How will the flyer stay on the line and not fall off as it goes from top to bottom?
- How will you make the flyer travel quickly down the zip line?
- There is ONE material I did not include on your materials list,, but you can ask for it when you figure it out. This item will help your Gingerbread person travel faster down the line. What might this item be?

The background of the slide is a repeating pattern of gingerbread men. Each gingerbread man is brown with white icing outlines for the arms, legs, and facial features. They are decorated with various icing designs, including red hearts, white flowers, and green eyes. The gingerbread men are scattered across the slide, some partially cut off by the edges.

Design

Write your design out on your paper (in the BLUEPRINT grid)

The background of the slide is decorated with several gingerbread men. Some are simple brown cookies with white icing outlines, while others have more elaborate decorations like red hearts, green eyes, and red noses. One gingerbread man in the upper right has a white icing face with green eyes and a red nose. Another in the lower right has a white icing face with red eyes and a red nose. A green arrow points downwards from the bottom right corner of the text box.

Build

- Start assembling your zipline.
- Make sure it is attached at both ends so you can test it later.
- Think about how your Gingerbread person will travel down the line. What adjustments can you make to your person or your line to make sure your person goes faster?
- Side note... you can't place your zip line completely vertical because you will kill your Gingerbread person.

Test, Rebuild

- Test your zip line.
- Does your Gingerbread person travel quickly? If not, redesign and try again.
- You can time your Gingerbread person's travels... we can note who's travels the fastest.



The background of the slide is a repeating pattern of gingerbread man cookies. Some cookies are decorated with white icing outlines, red icing hearts, and red icing flowers. Others have green icing eyes and red icing mouths. The cookies are scattered across the slide, with some partially cut off by the edges.

Reflect

- Answer the very easy questions on the bottom of your paper.
- Please hand it in to Ms/Mme Queck when you're done.