



Design and Technology

Moving Pictures: Traditional Tales

Levers



Aim

- I can make a lever and use it in my product.

Success Criteria

- I can decide how long my lever needs to be.
- I can decide where to put my pivot.
- I can make a hole in the picture and lever then use a split pin to assemble it.
- I can check that the lever works.
- I can move the pivot if the picture doesn't move how I want it to.

Jack and the Beanstalk



We are going to read the Jack and the Beanstalk e-book. Click on the picture below:

Jack and the Beanstalk



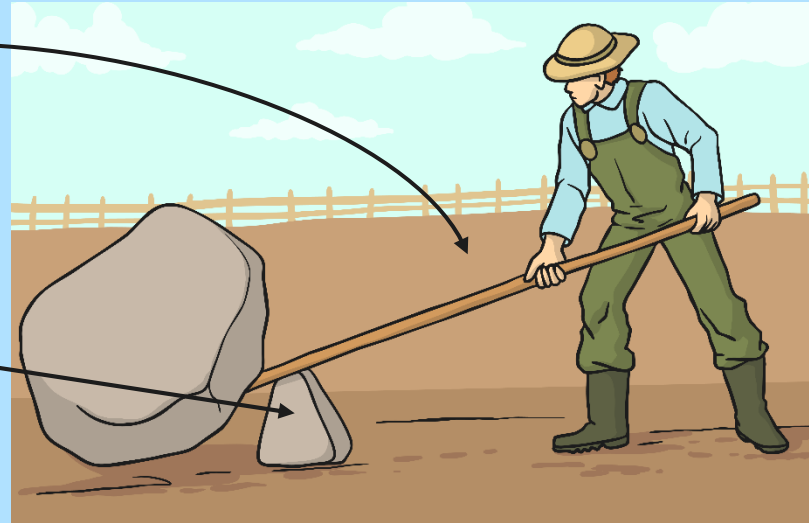
Making Levers



Today you are going to turn part of the story into a moving picture using a lever mechanism.

Lever - a bar which turns around a point/pivot.

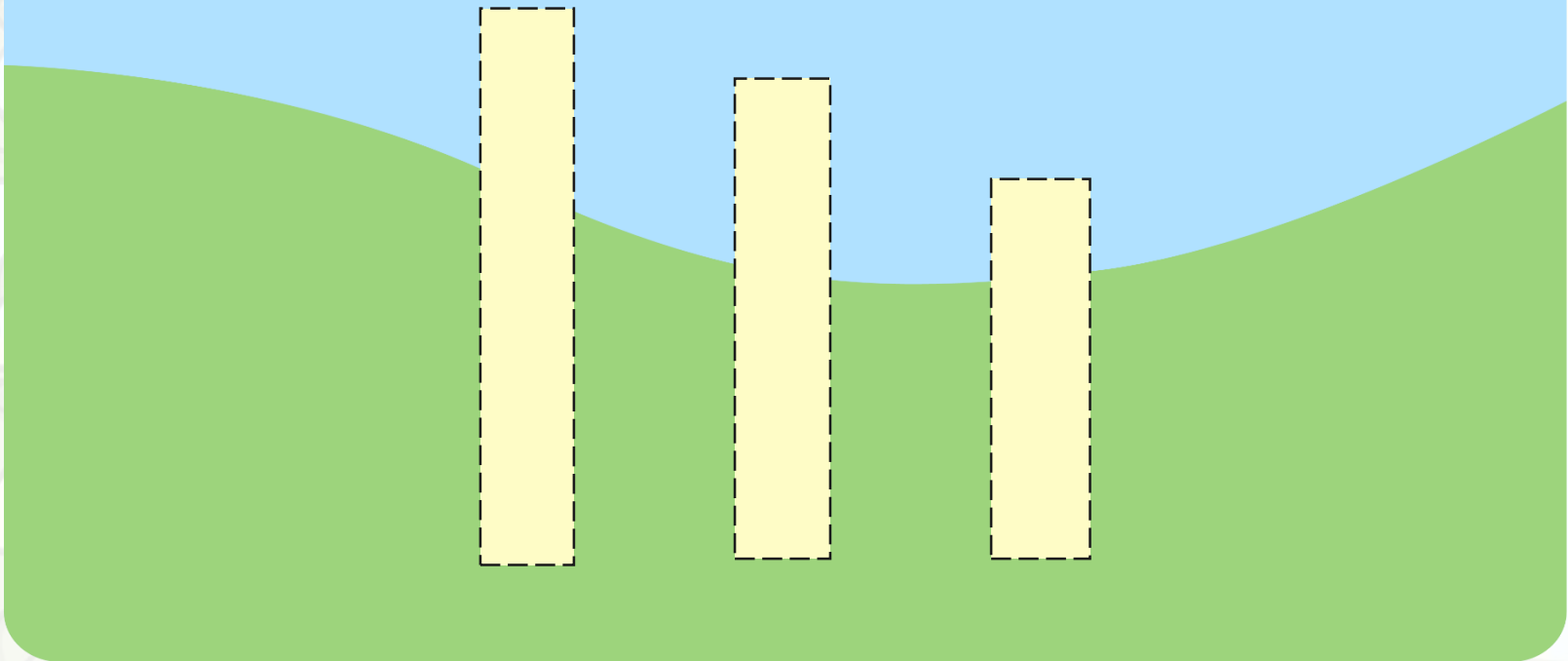
Pivot – a point about which a lever turns.



Making Levers



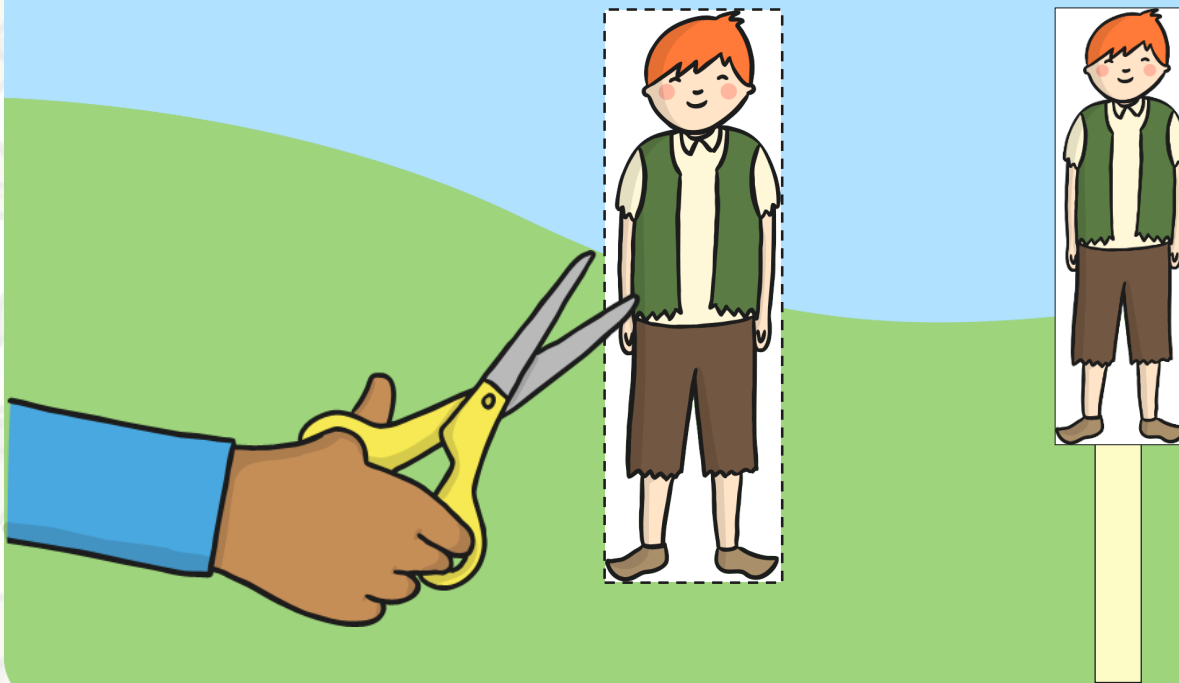
Step 1: Decide how long you want your lever to be.



Making Levers



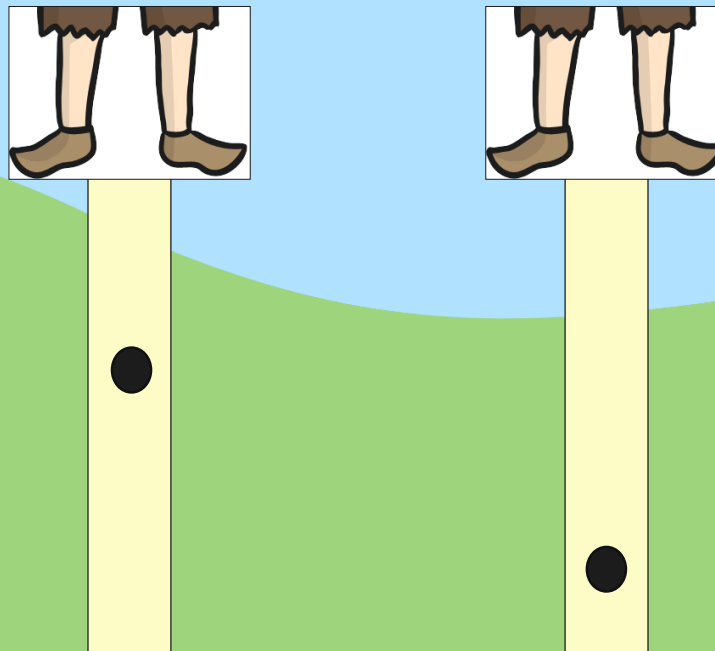
Step 2: Cut out the picture of Jack and stick it onto the end of the lever.



Making Levers



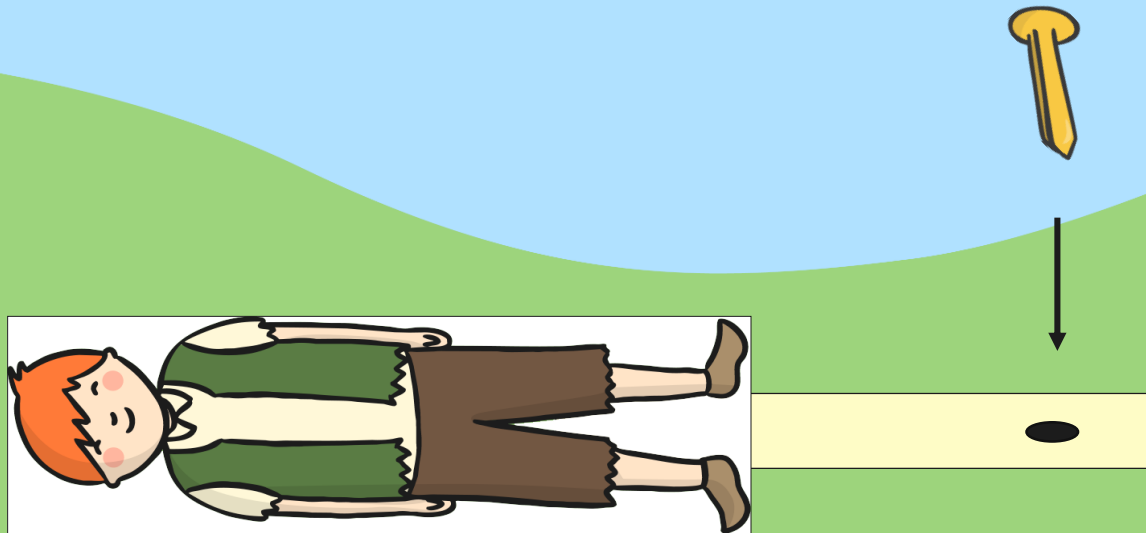
Step 3: Decide where you want to place your pivot.



Making Levers



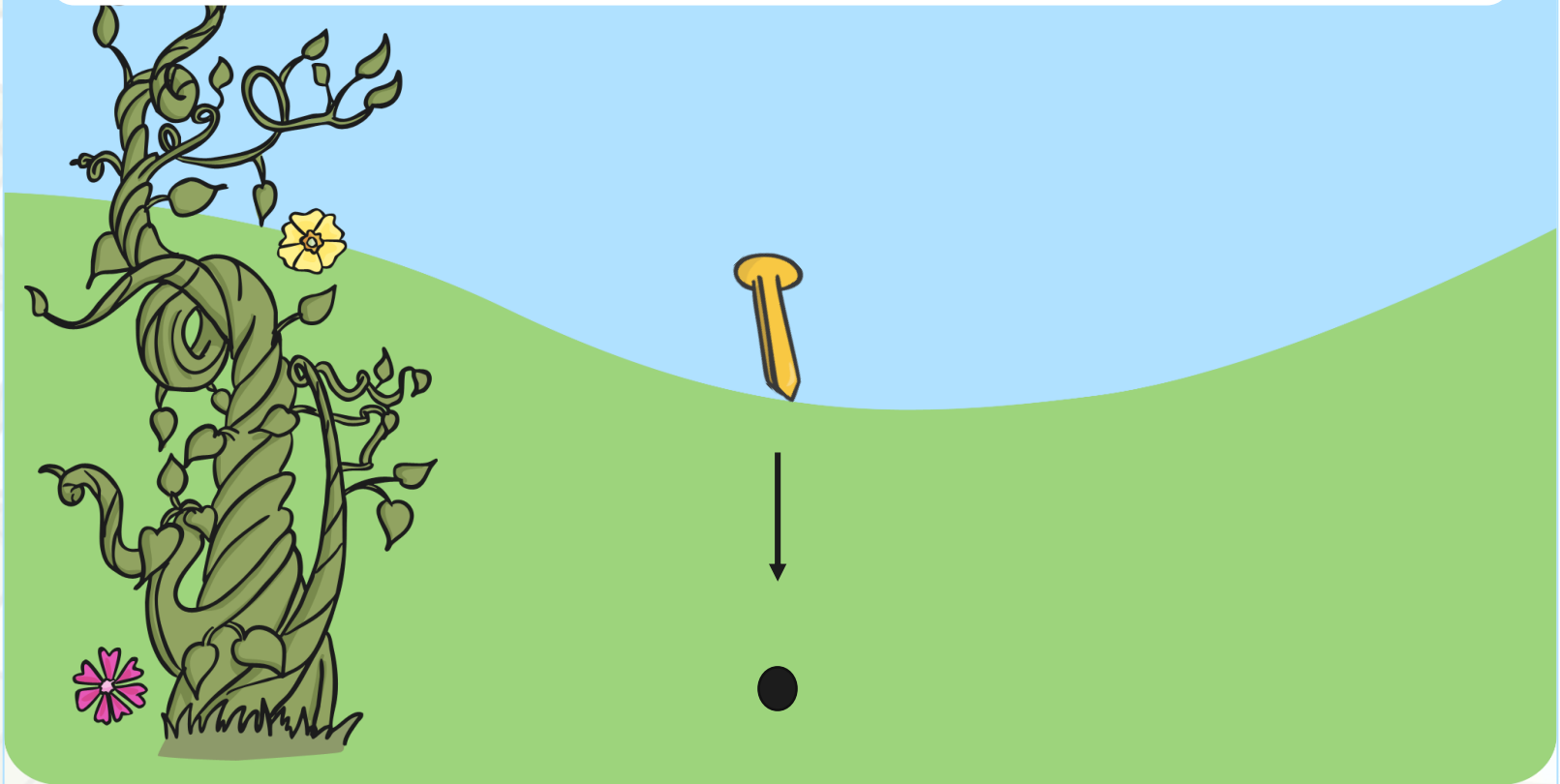
Step 4: Place sticky tack behind the place you want to make a hole.
Make a hole in the lever.



Making Levers



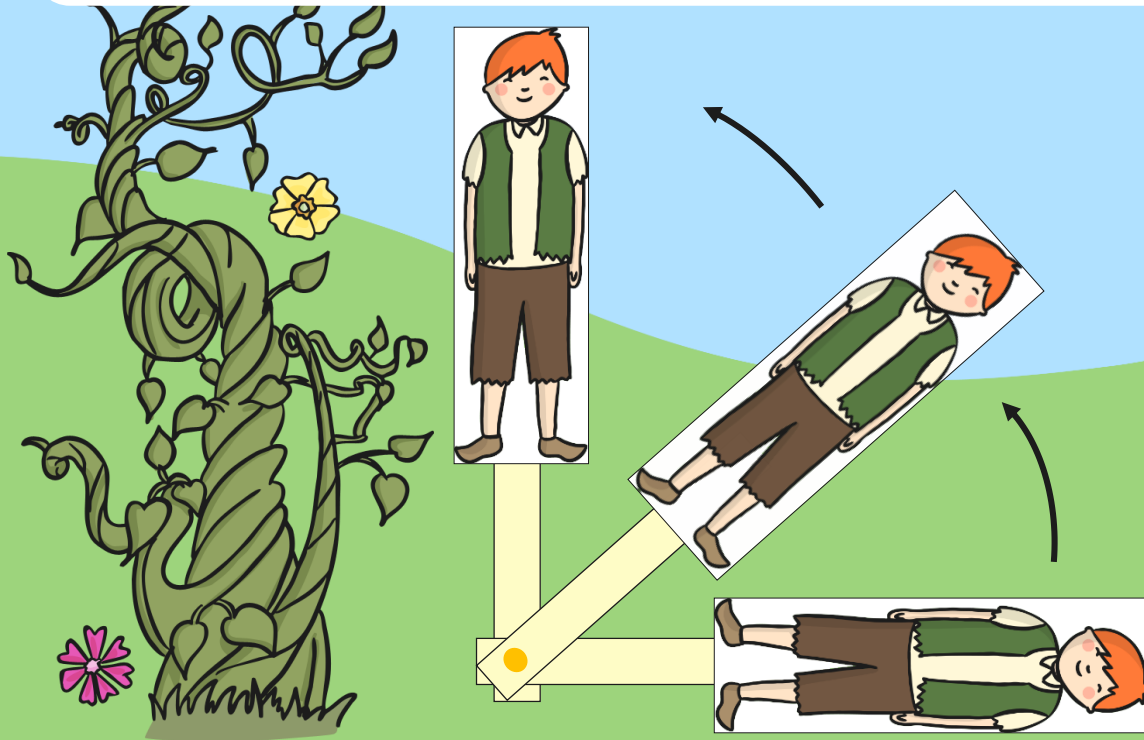
Step 5: Place sticky tack behind the place you want to make a hole.
Make a hole in the background.



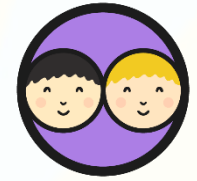
Making Levers



Step 6: To assemble, push the split pin through the lever and background and open up the ends at the back. Check that the lever works; you might need to move the pivot.



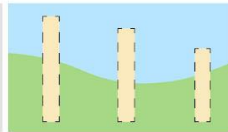
Now It's Your Turn



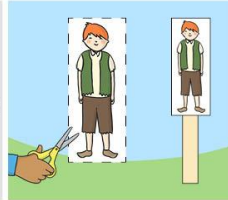
Carefully follow the instructions to make your own lever.
Remember to take extra care when making the holes!

Jack and the Beanstalk Lever Instructions

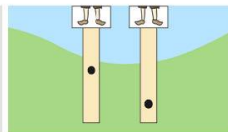
Step 1
Decide how long you want your lever to be.



Step 2
Cut out the picture of Jack and stick it onto the end of the lever.

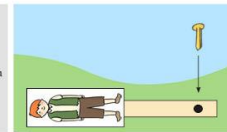


Step 3
Decide where you want to place your pivot.

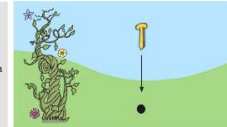


Jack and the Beanstalk Lever Instructions

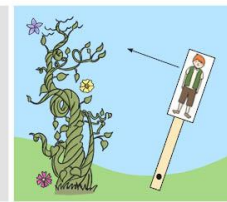
Step 4
Place sticky tack behind the place you want to make a hole. Make a hole in the lever.



Step 5
Place sticky tack behind the place you want to make a hole. Make a hole in the background.



Step 6
To assemble, push the split pin through the lever and background and open up the ends at the back.
Check that the lever works, you might need to move the pivot.



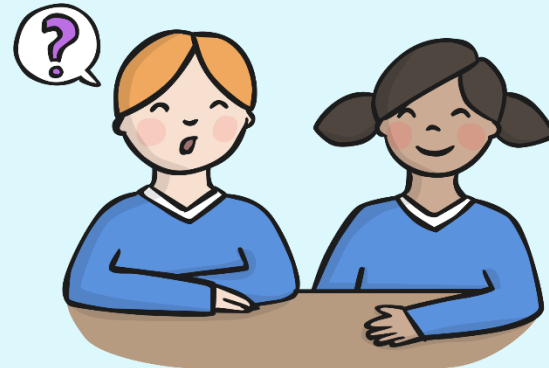
Top Tips



Share with a partner two top tips about making levers that would help children taking the lesson next year and could be added onto the instructions sheet.

Top Tip 1:

Top Tip 2:



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