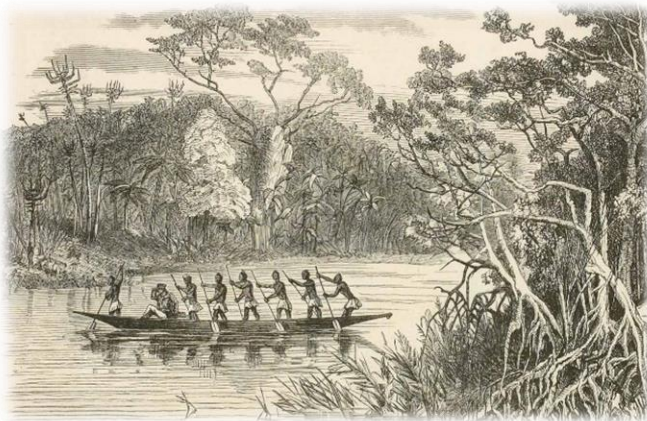


Origami Boats

David Livingstone and his team of skilled Kololo crew members travelled hundreds of miles exploring the Zambezi River, taking them on an epic expedition that would cross the entire continent of Africa! Sailing through the waterways of southern Africa, Livingstone mapped out large geographical areas that had previously not been seen by European travellers.



"I had the choice of all the canoes and the best was 34 feet long and 20 inches wide. With six paddles we passed through 44 miles of latitude by one day's pull of 10 1/2 hours... The river is indeed a magnificent one"

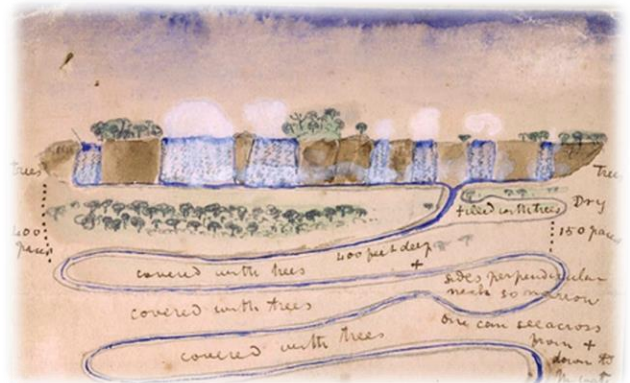
Letter to Thomas M. Steele, 20th September 1853

https://www.livingstoneonline.org/sites/default/files/life-and-times/livingstone-s-life-expeditions/liv_003016_0001-crop-article.jpg

"When within 20 miles of the Falls which I named after our Queen we saw the columns of smoke and went down to see this great sight"

Letter to Charles M. Hay, 26th November 1860

https://livingstoneonline.org/sites/default/files/behind-the-scenes/the-livingstone-online-code/liv_013360_0001-article.jpg



"I saw a hippopotamus... The boat went right over him... he put his head up and lifted the boat with ten men... giving it two tremendous bumps... water began to flow in"

Letter to Unknown, 21st October 1862

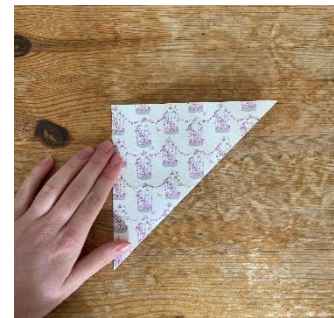
https://www.livingstoneonline.org/sites/default/files/life-and-times/publishing-livingstones-missionary-travels/liv_014082_0005-article.jpg

Inspired by these pictures from Livingstone's travels, we decided to make our own vessels ready for exploring! Here are three fun origami tutorials for you to try. All you need is a piece of paper, and some coloured pens or pencils if you would like to decorate your creation.

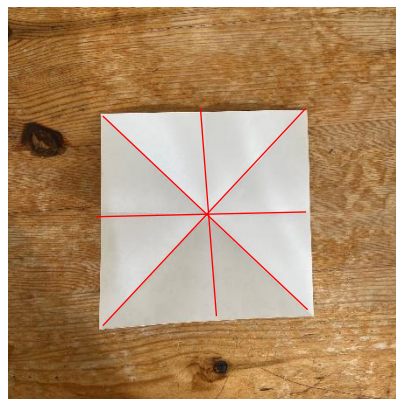
Sailboat



1. Start by taking a square piece of paper and folding it in half lengthways and diagonally, in alternating directions...



... it should end up looking like this!

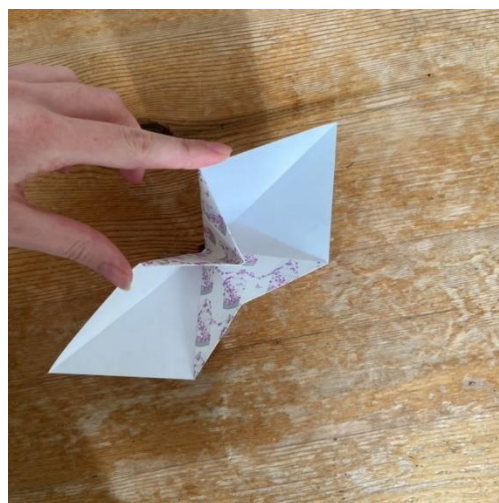


Folds highlighted in red

2. Fold in the outer diagonal corners, then pinch them, bringing them together to form a square



pinch!



fold!

3. Open the square to reveal your sail.



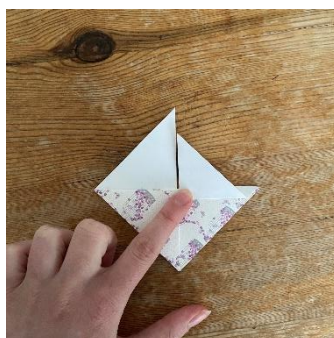
wow!

4. Rotate your boat 90° so the sails are facing upwards. Then, fold down one of the sails completely, before folding back up at the height you desire. This will be our smaller sail! Tuck the overlap into the main body of the boat.



fold down . . .

fold up . . .

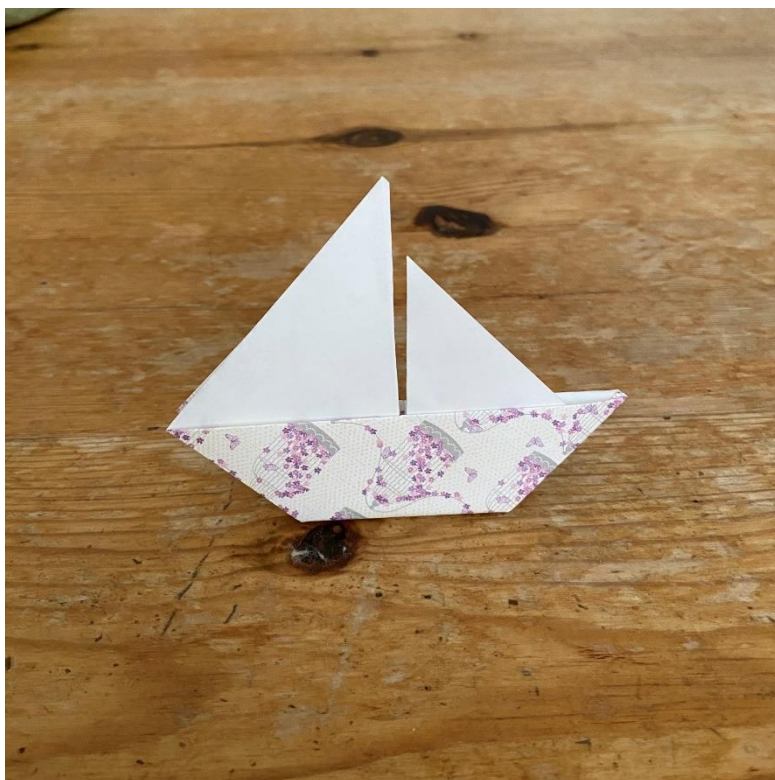


and tuck!

5. Last step! Flip your boat and fold the corner up to create a stand for your magnificent ship. Flip it back and...

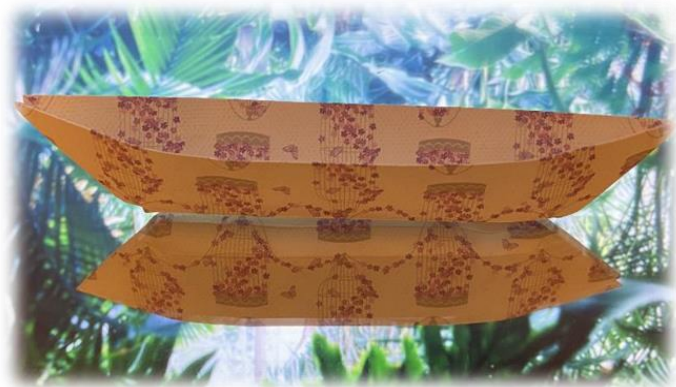


... tadaa!

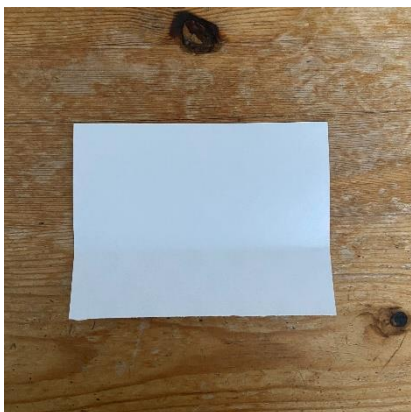


Your ship is ready to set sail!

Canoe

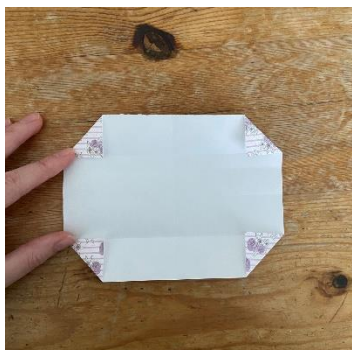


1. Start by taking a rectangular piece of paper and folding it in half. Then, fold the top and bottom pieces to meet the crease in the middle...



... like so!

2. Unfold both halves, then fold in all four corners to meet the crease. After that, fold each half into the middle again.



from this . . .



to this!

3. Holding each corner, bring your fingers together to fold the paper lengthways, then flatten. Notice the white corners at either end? Fold them inwards, then flip your paper and fold them again the opposite way.



pinch

flatten



fold

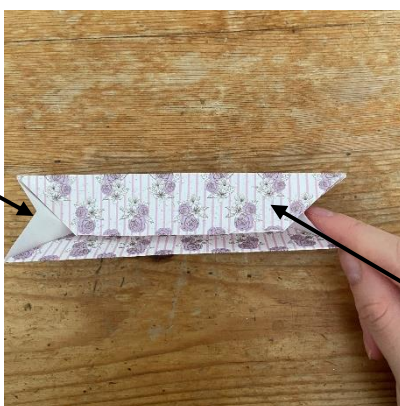
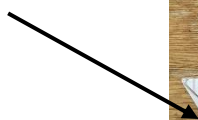
4. Open the paper back out, then using the creases we just made, pinch each end together and flatten.



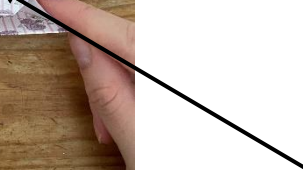
looking good!

5. Tuck each end into the fold to secure your boat. We wouldn't want it sinking!

tuck here



in here!





both ends tucked

6. Finally to allow your canoe to stand freely, make a fold along the lower edge to create a flat hull. That's it, you're done!



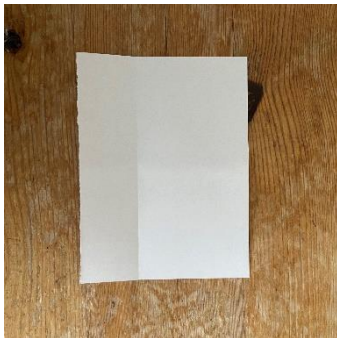
Perfect!



Traditional Boat



1. Take a rectangular piece of paper and fold it lengthways, then fold horizontally.



2. Take the top corners and fold them to meet the crease in the middle, then fold up the edges on both sides.

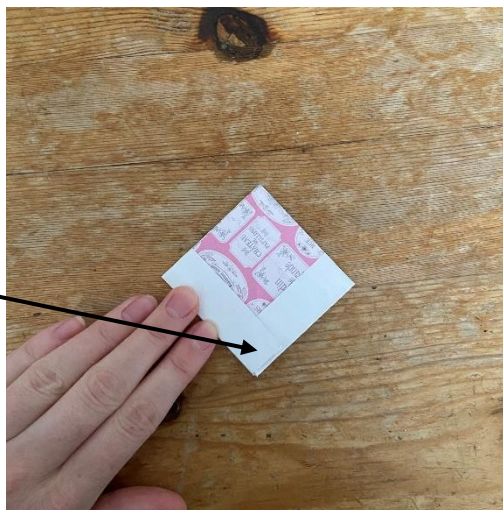


3. From the centre, pull out both sides and flatten. Tuck in the overlapping edges.

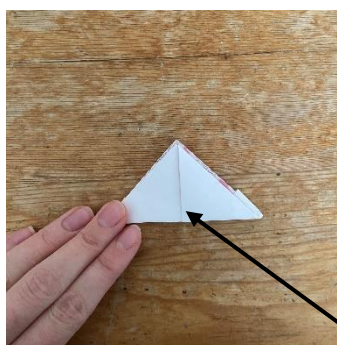
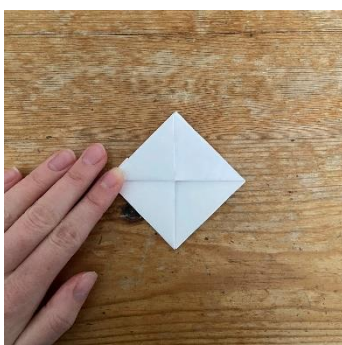


squish . . .

. . . and tuck!

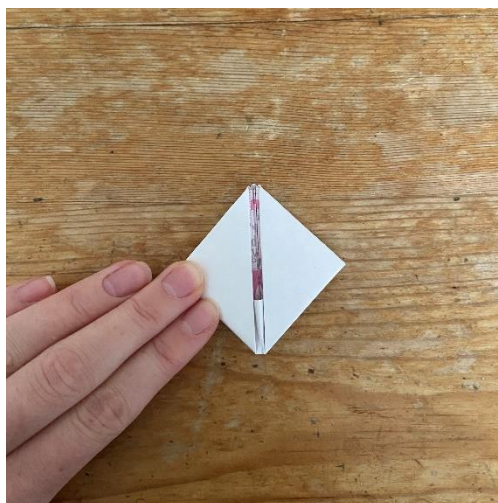


4. Fold the front and back layers up, then pull the sides apart and flatten...



pull here!

... This is how it should look!



5. Finally, pull the top flaps outward to reveal your beautiful boat!



All done!





If you would like to see video tutorials of the above designs, check out these great youtube links!

Sailboat: https://www.youtube.com/watch?v=CQHihR-dk8g&ab_channel=MR.CREATOR

Canoe: https://www.youtube.com/watch?v=cPByzQXtA-I&ab_channel=MR.CREATOR

Traditional Boat:

https://www.youtube.com/watch?v=BM6G_QLxkCE&ab_channel=iluvgtasan

Did you enjoy making your origami boats? Which one was your favourite? Show us your creations by sharing them on our social media platforms using the hashtag

#BirthplaceProject or send a photo to learning@dltrust.uk. If you'd like to learn more about Livingstone's life and travels, visit our website www.livingstoneonline.org.

All images and quotes relating to David Livingstone were sourced from Livingstone Online. To read a full transcript of his letters, see below:

Letter to Thomas M. Steele, 1853

https://www.livingstoneonline.org/in-his-own-words/catalogue?query=liv_000797&view_pid=liv%3A000797

Letter to Charles M. Hay, 1860

https://www.livingstoneonline.org/in-his-own-words/catalogue?query=liv_001591&view_pid=liv%3A001591

Letter to Unknown, 1862

https://www.livingstoneonline.org/in-his-own-words/catalogue?query=liv_001836&view_pid=liv%3A001836