

A photograph of the Great Pyramid of Giza and the Sphinx in Egypt. The pyramid is a large, triangular structure made of stone blocks, with a smaller pyramid visible in the background. The Sphinx is a large, seated limestone statue with a human face and a lion's body. In the foreground, there are stone walls and a path where many people are walking. The sky is blue with some white clouds.

# SEATOWN'S DT PROJECT MARCH 2021

MAKE A SHADUF (LIKE THE ANCIENT EGYPTIANS  
DID, AND STILL DO) TO MOVE WATER FROM  
ONE PLACE TO ANOTHER



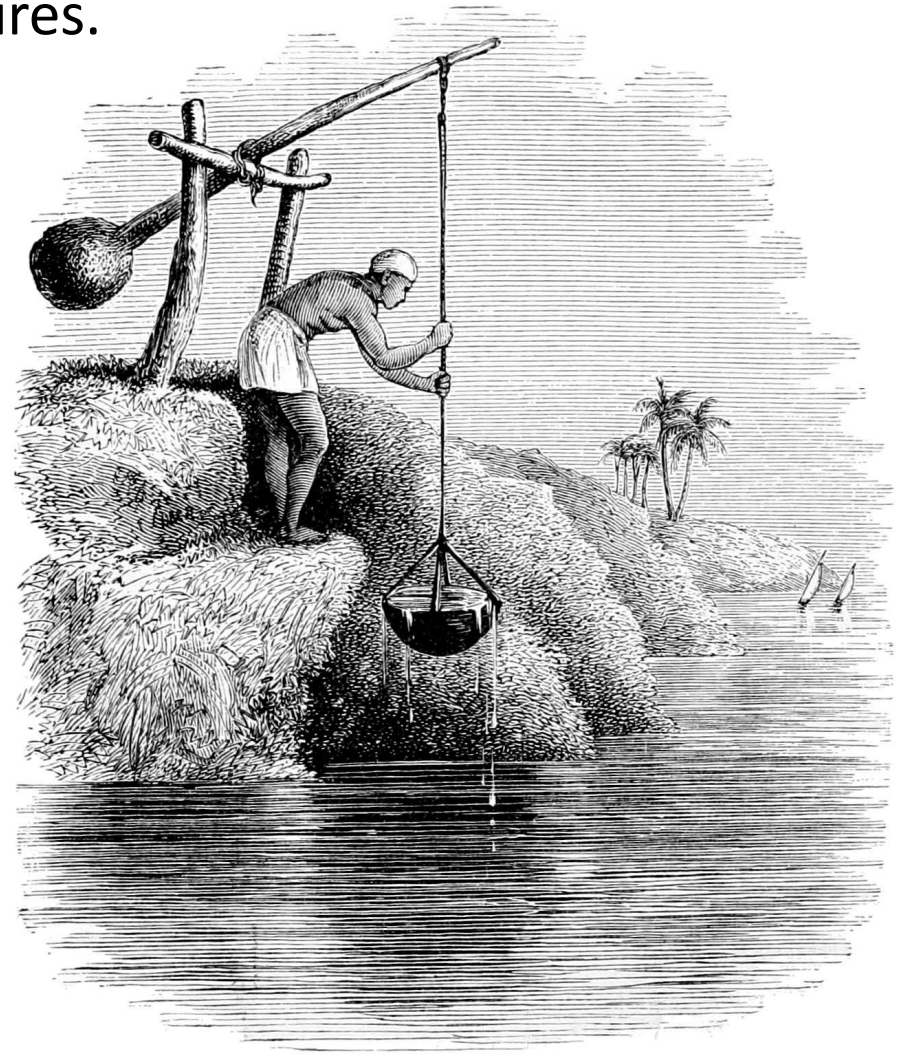
We watched some footage of the shaduf being used and then worked in pairs or threes to design our own structures.



They look simple enough,  
but it didn't prove to be  
that easy!

In fact, there are endless  
possibilities!

Here are some of our  
ideas...

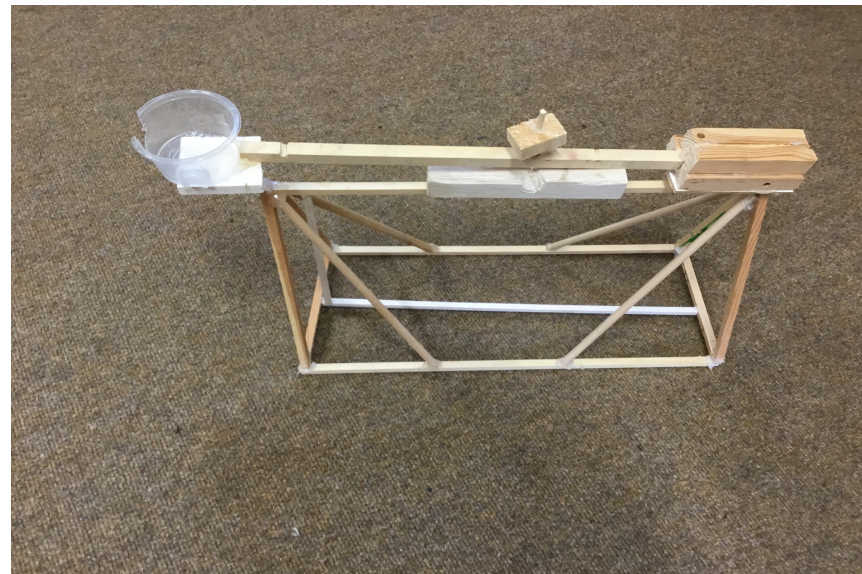




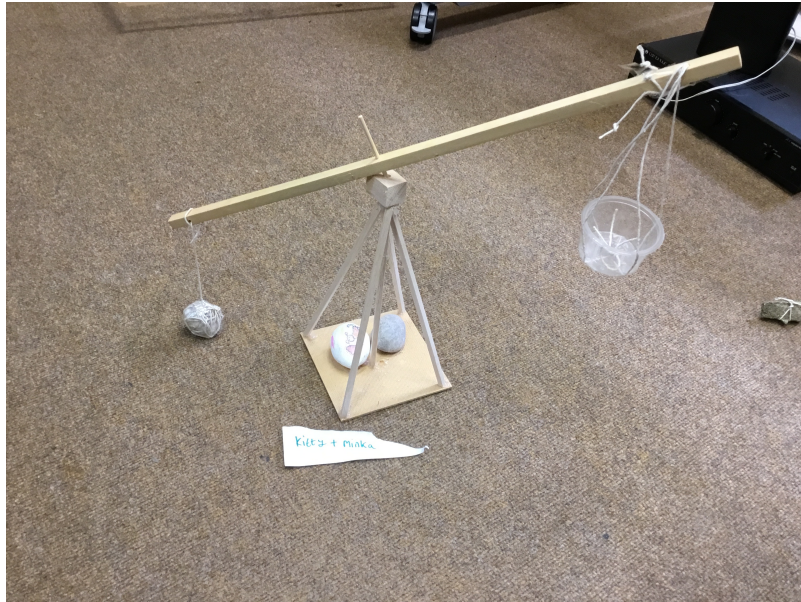


This was Ed, Harry and Finley's design.  
The mechanism worked well and they were proud  
of the 'resting' position of the lever, but the  
bucket position would need rethinking next time!

[Have a look to see what we mean!](#)







**Kitty and Minka created a wonderful pivot  
to swing the water round.**

[Our pivoting shaduf!](#)

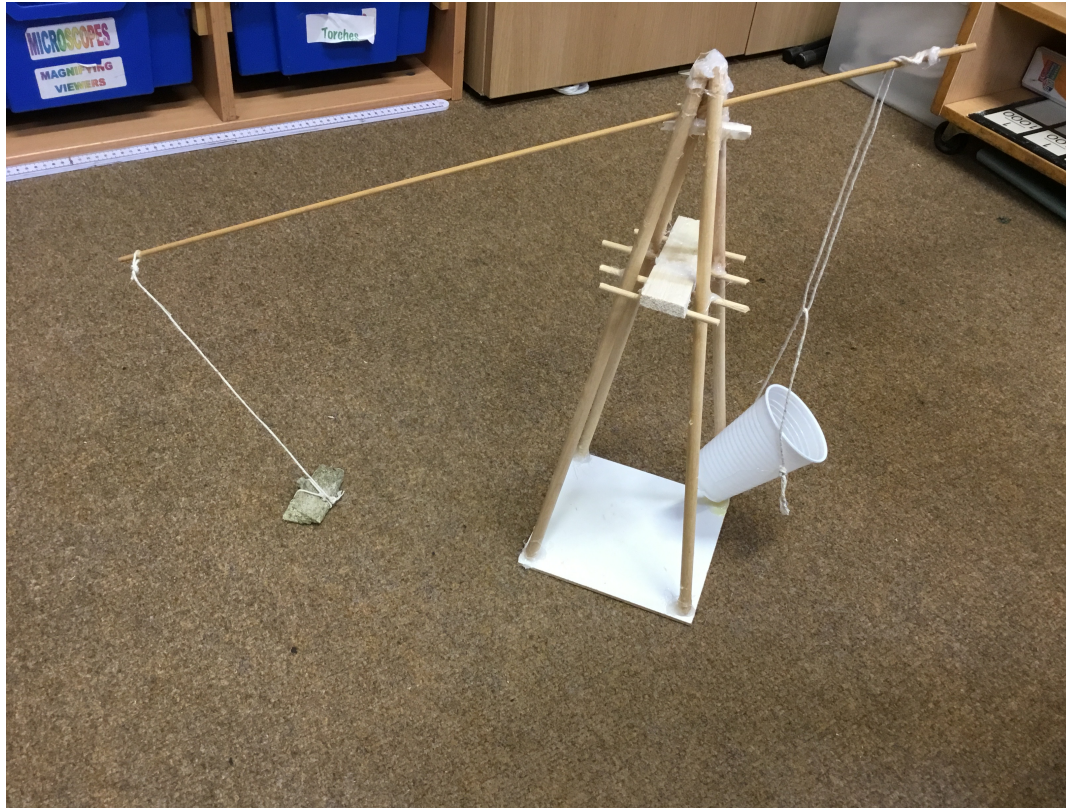


**Grace and  
Amelia had a  
wonderful  
pulley system  
that didn't  
need any  
pivoting at all!**

[It's all about the pulleys!](#)



Luca, Grace and Lucas' design allowed the water bucket to swing underneath the structure as it was lifted from the river source to water the irrigation channels behind.



[See our shaduf in action!](#)



Harley and Tom designed a shaduf  
that swung forwards and  
backwards on the lever, but also  
could pivot round 360 degrees on a  
square base.  
So clever!

[Our giant shaduf!](#)





WE CAN ALL IMAGINE OUR SHADUFS LINING  
THE BANKS OF THE NILE. CAN YOU?

