

A photograph of the Great Pyramid of Giza and the Sphinx in Egypt. The pyramid is the central focus, with the Sphinx in the foreground. The sky is blue with white clouds. Text is overlaid on the image.

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

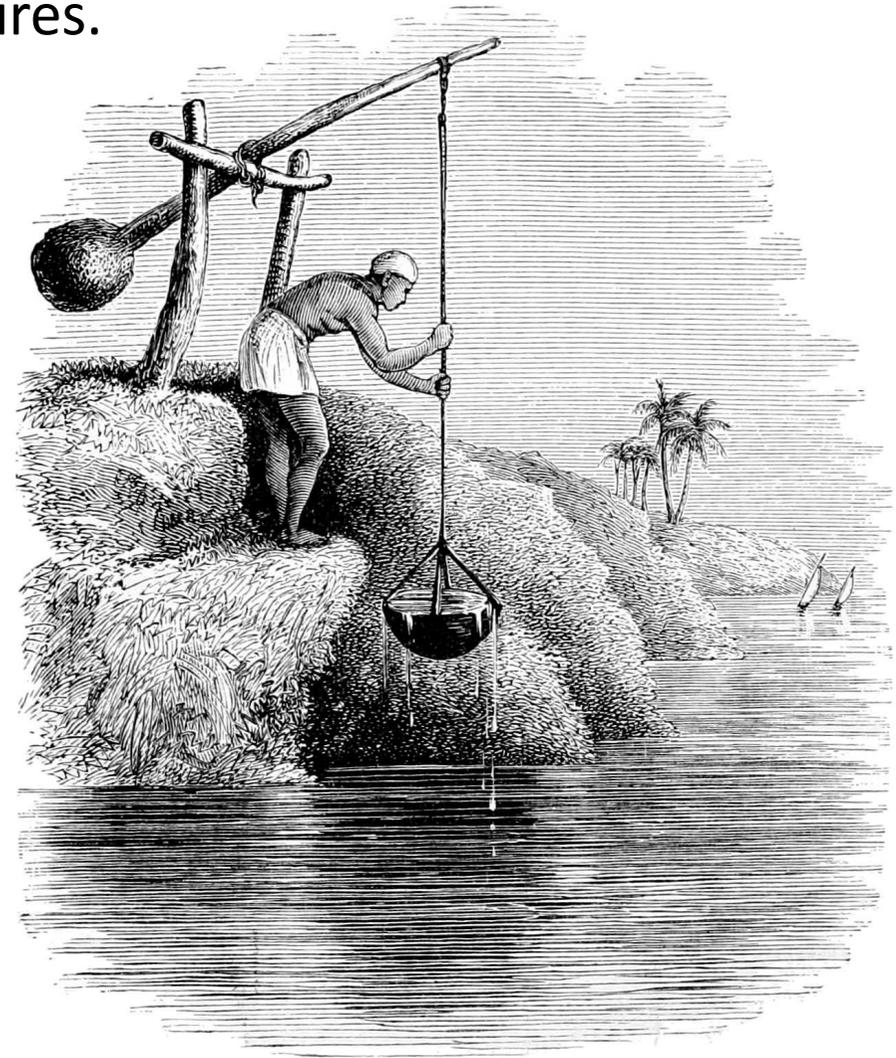
We watched some footage of the shaduf being used and then worked in pairs or threes to design our own structures.



**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.

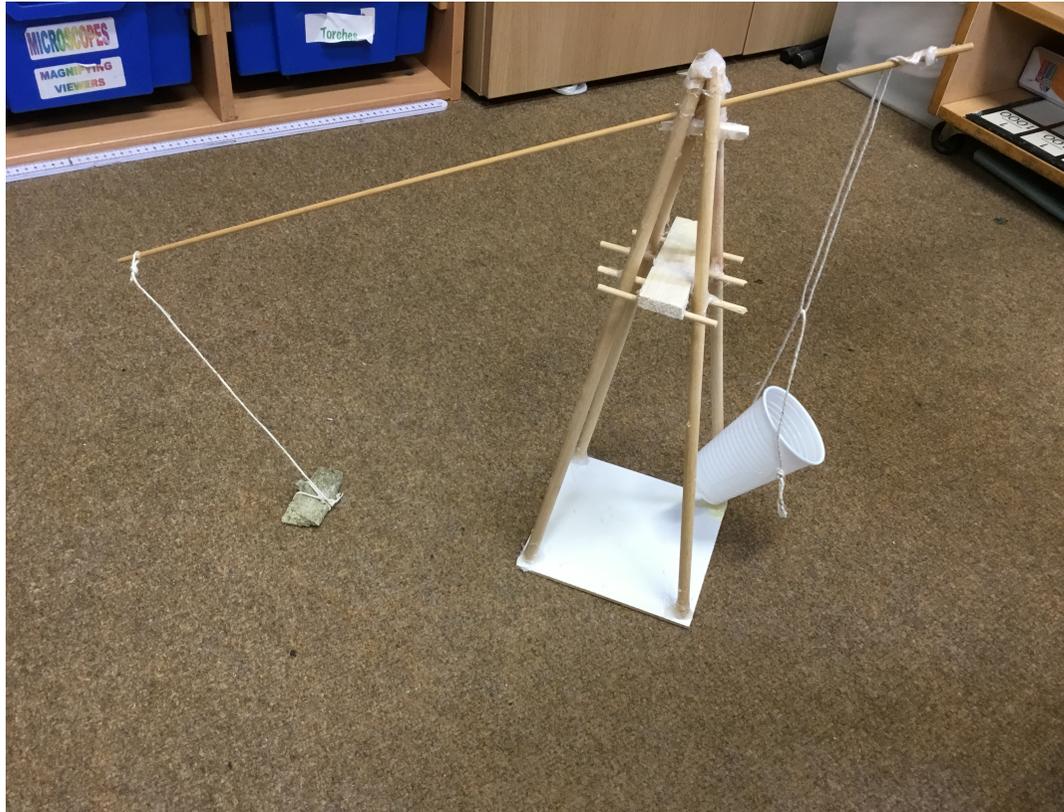
[Our pivoting shaduf!](#)



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?

