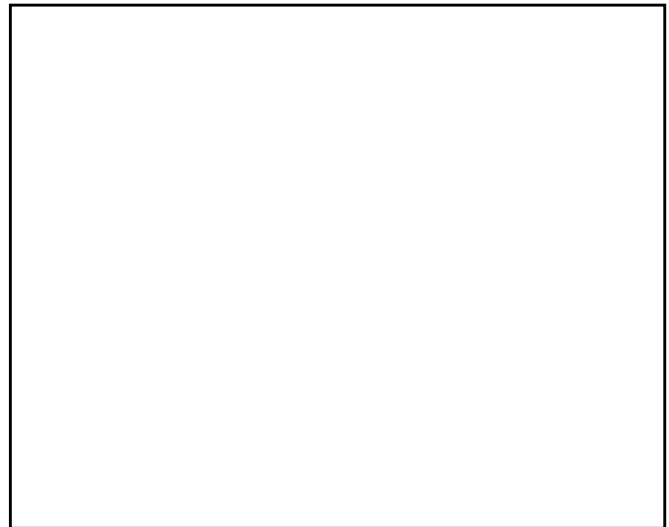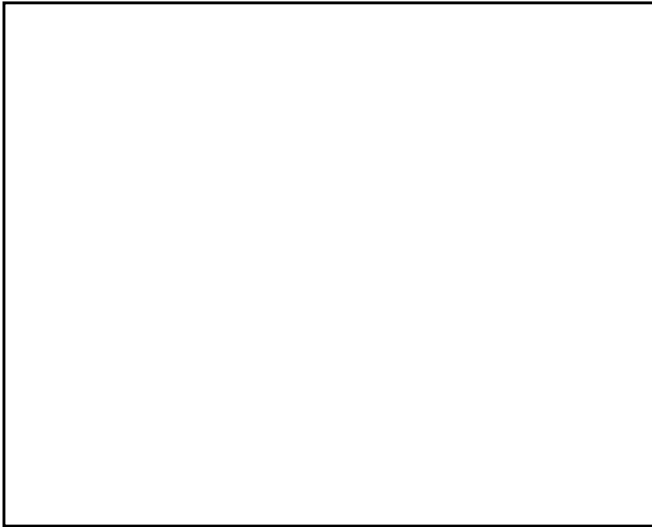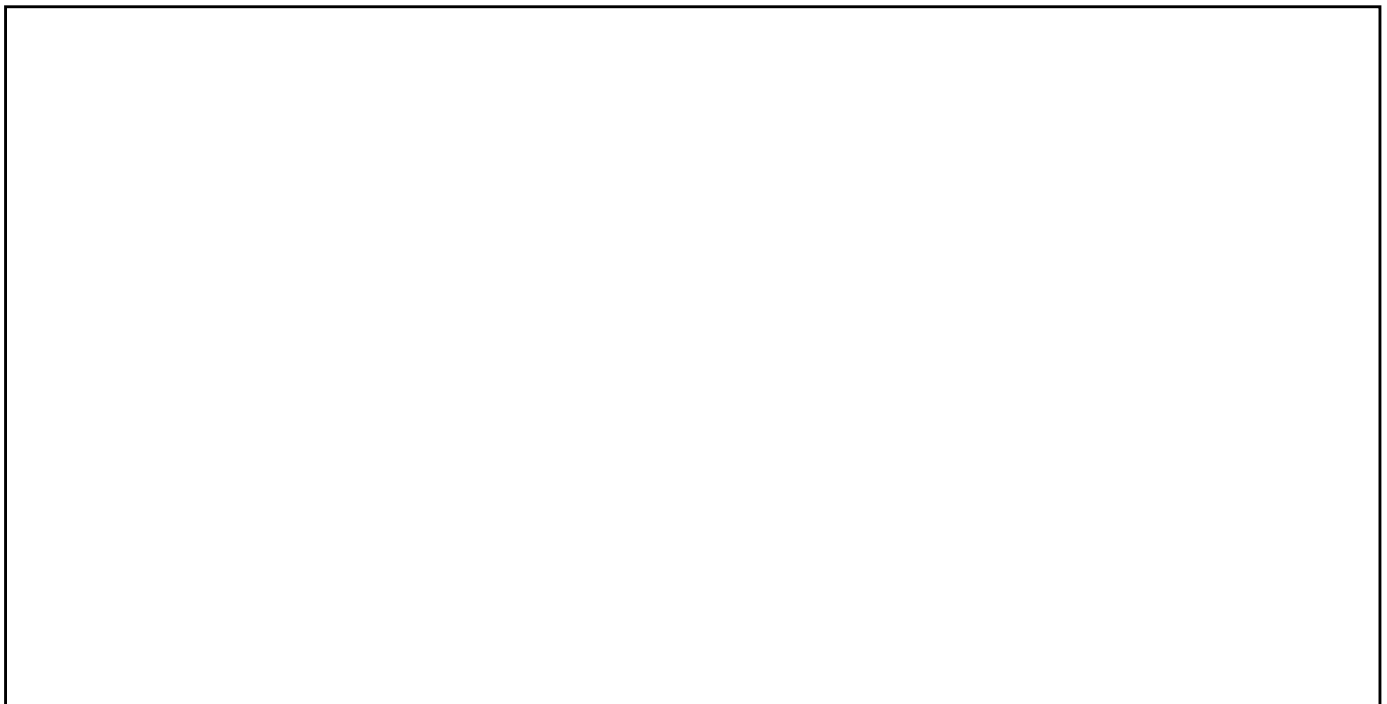**PRIMARY WORKSHEETS**

Stable structures can be found all around us. Draw one example of a man-made structure and one structure found in nature.
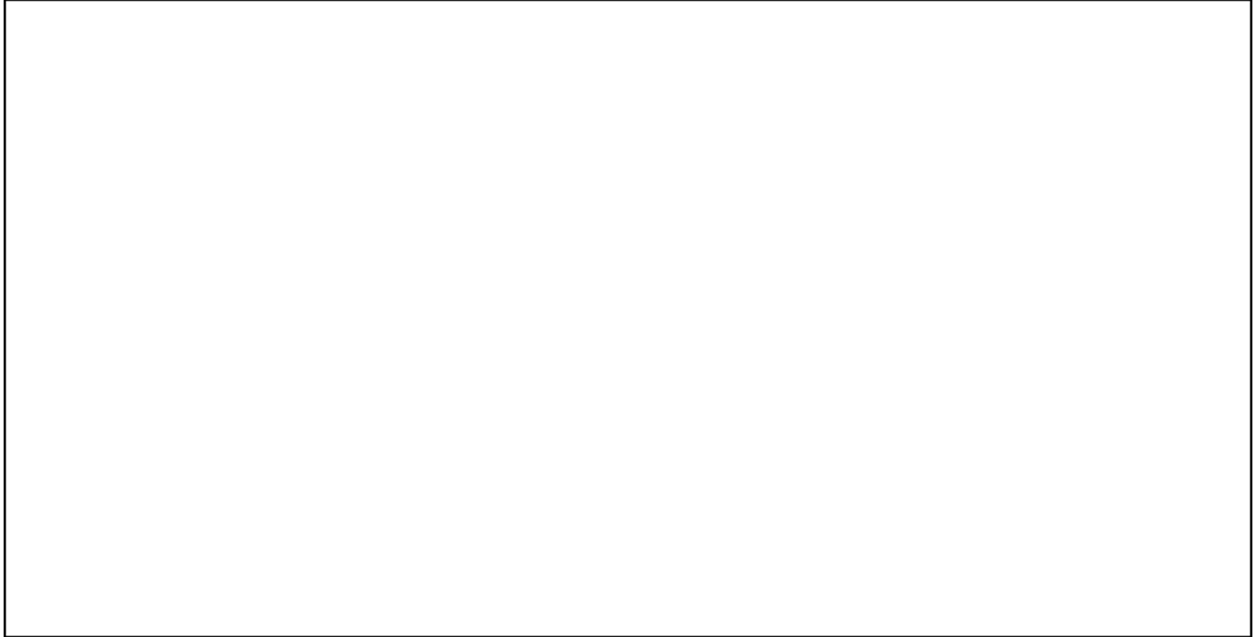
Using things around your house like blocks or small boxes, build a stable structure using the two rules you saw in the video: stable structures have a wide base, and a low centre of gravity (they are heavier on the bottom). Drawn what you built.
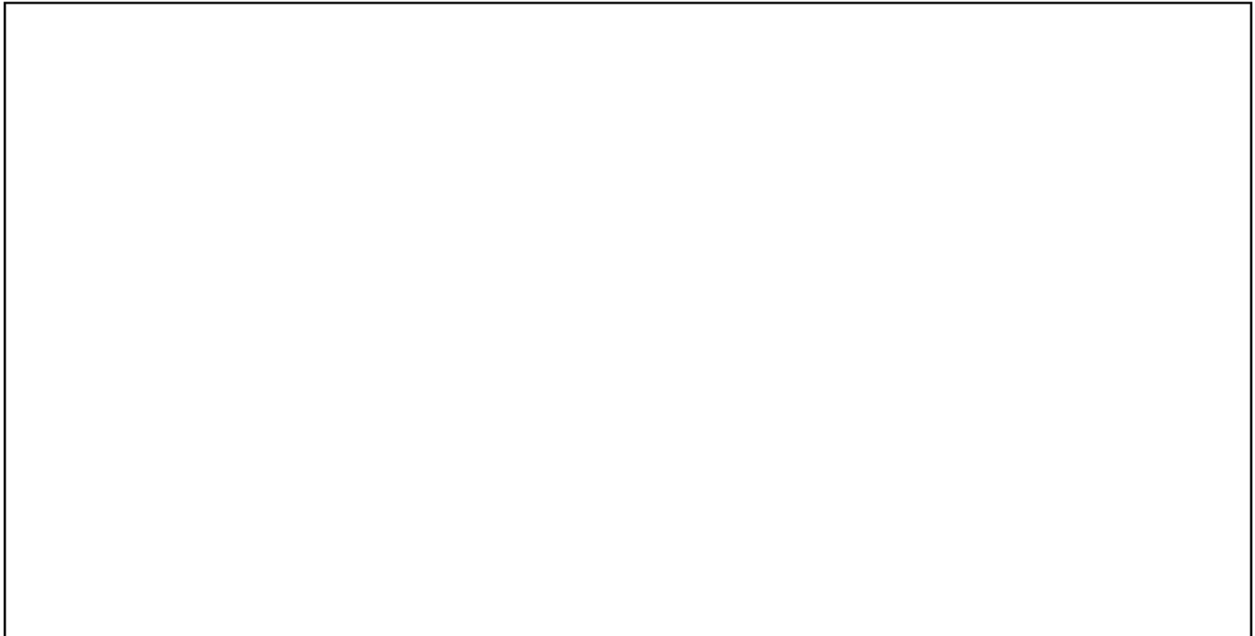
Next, using the objects you built a structure with, try to design a stable structure in a drawing first, then build what you drew. Did your structure stay standing? If you need to, make changes to your drawing to use the two rules of stable structures and try again.

Design #1

Design #2

JUNIOR / INTERMEDIATE WORKSHEETS

Stable structures can be found all around us. Make a list of man-made structures and structures that can be found in nature. Try to identify the function of each one. For example, a shoe is a man-made structure that protects the foot.

STRUCTURE	NATURAL or MAN-MADE	FUNCTION
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Using things around your house like blocks or small boxes, build a stable structure using the two rules you saw in the video: stable structures have a wide base, and a low centre of gravity (they are heavier on the bottom). Drawn what you built.

Now, using the same kind of objects, build a structure that looks unstable but still stays standing. How can you use the two rules of stable structures to help? Remember the artworks that we saw.
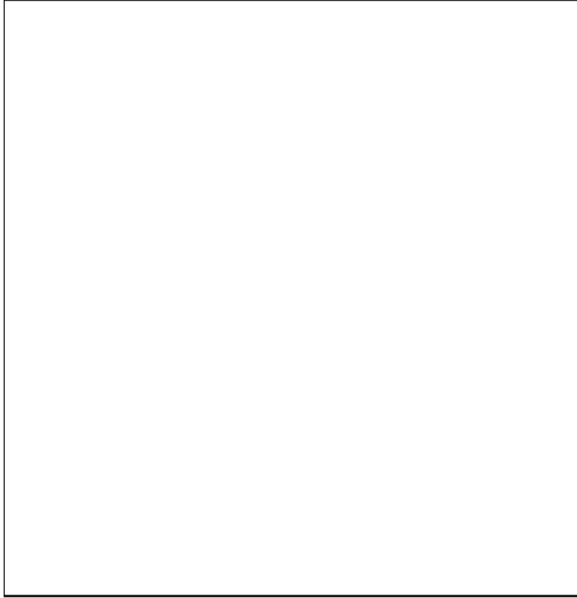
How did you use the two rules in your structure? For example, filled a box with something heavy to change the centre of gravity).

_____

_____

_____
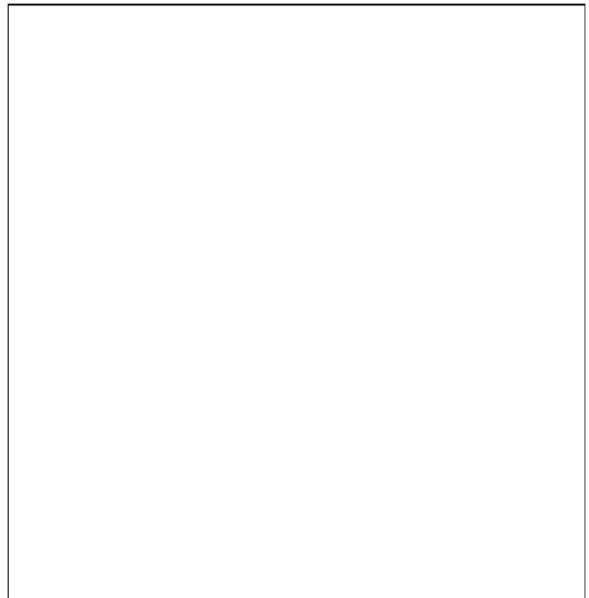
_____

_____

_____

Drawn what you built.

With your objects in mind, try to design a stable structure in a drawing first, then build what you drew. Did your structure stay standing? If you need to, make changes to your drawing to use the two rules of stable structures and try again.
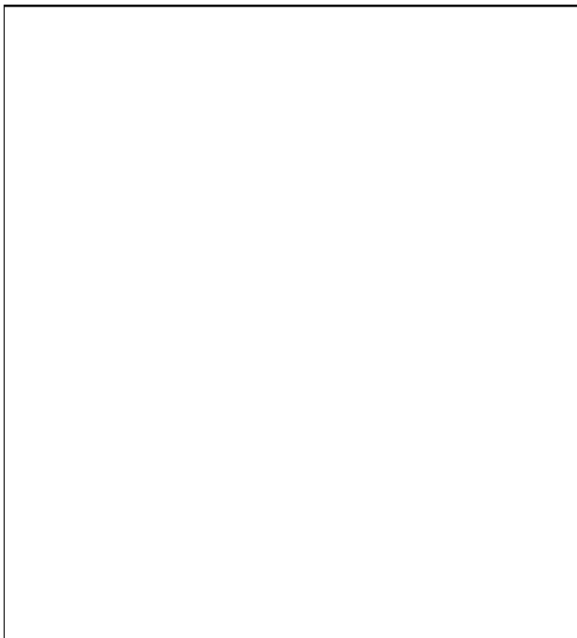
Design #1

Design #2

Design a structure that looks unstable, but use the two rules and the artworks you saw in the video to help you add stability. Now build it! Keep adjusting your design until it works.

Design #1

Design #2