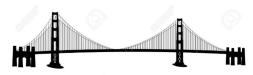
PENNY BRIDGE STEAM CHALLENGE



Penny Bridge Challenge



YOUR CHALLENGE:

*Find 50 pennies in your home.

*Build a bridge using only 50 pennies.

*Your bridge must stand on its own.

*Try to make the bridge at least 3 centimeters tall and 3 centimeters wide.

*It should stand for at least 10 seconds! ASK:

How can I create a bridge using only pennies? IMAGINE:

Think about how you will design your bridge. How will you balance the pennies to make the bridge sturdy?

CREATE: Create your bridge and sketch your design.	
Did your bridge stand	
on its own for at least	
10 seconds?	
Yes No	
IMPROVE: What can	
you do to make your	
bridge stronger?	
Sketch your second bridge	
Did your bridge stand	
on its own for at least	
10 seconds?	
Yes No	
Use your best design	
that will support a small	
action figure!	١
Sketch your design.	

Penny Bridge- Extension Menu

Engineering	Technology & Math	Art
Try making a taller bridge	Research famous bridges	Draw a bridge and outline
using only pennies.	and create a chart that	it in black marker. Then
	Includes the length and	using watercolors, paint
	height of each one.	the background to create a
		silhouette.
Social Studies	Engineering	Math
Research and list as many	Try creating a bridge	Examine your 50 pennies
facts you can about the	using other types of coins.	carefully to look for the
penny.	Take a picture!	year. Create a tally chart
		of how many are from each
		year.
Writing	Social Studies	Engineering
Write a story about the	Choose at least 10	Use coins to create a
last time you crossed a	different bridges and	model of a famous bridge.
bridge.	research to find out when	Or use your 50 pennies to
	they were built. Create a timeline.	build something else!
	Timenne,	

NEED SOME HINTS?

https://www.bing.com/images/search?q=making+a+penny+bridge&F
ORM=HDRSC2

https://www.bing.com/videos/search?q=how+to+make+a+penny+bri dge&&view=detail&mid=A47DAB8985BDC91B1873A47DAB8985BDC91B187 3&&FORM=VRDGAR&ru=%2Fvideos%2Fsearch%3Fq%3Dhow%2Bto%2Bmake%2 Ba%2Bpenny%2Bbridge%26FORM%3DHDRSC3

Send Us Pictures!

Your STELLAR teachers want to see your pictures!

Please email pictures of your parachutes to your school STELLAR teacher.

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