POPSICLE STICK CATAPULT

BUILD • TEST • IMPROVE

MATERIALS:



8 POPSICLE STICKS

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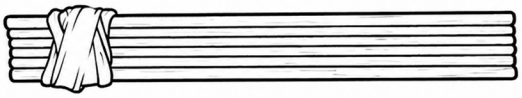


4 ELASTIC BANDS

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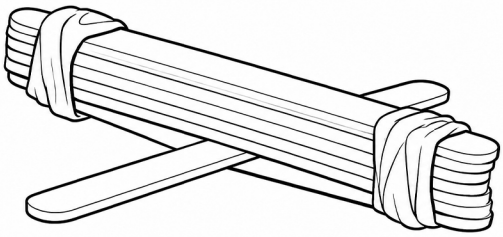


1 SPOON



1 BUILD

TAKE SEVEN OF THE POPSICLE STICKS AND LINE THEM UP ON TOP OF EACH OTHER. TAKE AN ELASTIC AND WRAP IT TIGHTLY AROUND ONE END OF THE POPSICLE STICKS.

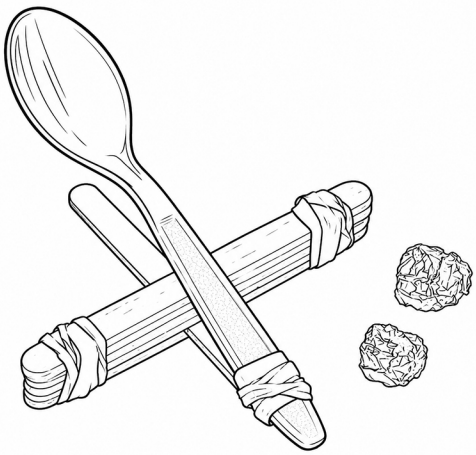


2 BUILD

PLACE THE LAST (EIGHTH) POPSICLE STICK BETWEEN THE FIRST AND SECOND POPSICLE STICKS. SLIDING IT TO THE MIDDLE.

3 BUILD

LINE UP THE HANDLE OF THE PLASTIC SPOON WITH ONE END OF THE SINGLE POPSICLE STICK. ATTACH THE HANDLE TIGHTLY WITH AN ELASTIC.



4 BUILD

PULL DOWN ON THE SPOON. PLACE A PROJECTILE ON IT. AND LET IT FLY!

5 IMPROVE

WHAT CAN YOU CHANGE TO MAKE IT GO FARTHER? ADJUST THE LEVERAGE BY SLIDING THE STACK OF STICKS CLOSER TO THE BASE OF THE SPOON.

ENGINEERS DON'T STOP AT THE FIRST TRY.
WE BUILD. WE TEST. WE IMPROVE. WE REPEAT.