

# SIEGE WEAPONS OUTPOST ADVENTURE

## Achievement Sampler #10

Use this sampler to complete some CSB Achievement at home. Your parent, another relative or a family friend can help you with the memory verses and the individual Achievements. When you are done, show your completed work to your Stockade Ranger. He can help you get the entire Outpost Adventure and earn the Patch and Honor Star.

Print this pdf as a "Booklet" or "Multiple" using Adobe Reader.

You can obtain SIEGE WEAPONS from:  
CSB US - [store.csbministries.org](http://store.csbministries.org)  
CSB Canada - [store.christianservicebrigade.ca](http://store.christianservicebrigade.ca)



### Builder Memory Verse: Psalm 18:2

"The Lord is my rock and my fortress and my deliverer,  
my God, my rock, in whom I take refuge, my shield,  
and the horn of my salvation, my stronghold."

### Sentinel Memory Verse: Genesis 50:20

"As for you, you meant evil against me, but God meant it  
for good, to bring it about that many people should be kept  
alive, as they are today."

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# THE FORTRESS



The medieval fortress, perched high on a rock, was the ultimate place of refuge during an attack. A small number of soldiers could protect the people for months against whole enemy armies.

Discover important components of a fortress in the wordsearch below. They are written forwards and backwards. **Then talk to your Ranger about how God can be your fortress in times of trouble - your rock, your shield, and your refuge.** Tell him your ideas and ask him what he thinks.

V G L L E W U Q R P X J F A W Y R N E W F T Y A  
O Z K C S L H A L P O E I K A E C G K A G U E D  
N G D D E M C L E L E R K X W W D E T T A R L Y  
A R R O W S L I T Q A M T O Q I E R B C T R I L  
S T N E M E L T T A B W T C R P A C Q H E E A W  
X D K E L O H R E D R U M B U P N I F T H T B M  
G L O R L O O K O U T D W R M L Y N F O O P W A  
O U R F O R T R E S S A S A M D L B O W U E T E  
D N M O A T Z I E I R O R T V Y F I G E S M O Y  
C H A P E L S Q J D N E H C T I K H S R E V F Z

ARROW SLIT  
BAILEY  
BATTLEMENTS  
CHAPEL  
DRAWBRIDGE  
GATEHOUSE

KEEP  
KITCHEN  
LOOK OUT  
MOAT  
MURDER HOLE  
PORTCULLIS

RAMPART  
TOWER  
TURRET  
WALL  
WATCHTOWER  
WELL

# SUFFERING BOYS



Ask your parent or Ranger for help to learn about a boy who is suffering due to poverty, hunger, persecution, war, or other troubles. Visit one of the websites listed below and click on the “Sponsor a Child” link. This will show you information about children needing help, *it will not actually sponsor a child unless you click more links and enter your information.*

Click on one of the boys and fill out the details below as completely as possible. **Share what you’ve discovered with your Ranger.**

AGE

Boy’s Name:

Town/City:

Country:

Chores or other jobs:

How can you help this boy?

Something interesting about his community or country:

Favorite hobby or game:

**Suggested Resources:** World Vision: <https://www.worldvision.org>  
Compassion International: <https://www.compassion.com>  
Kids Alive: <https://www.kidsalive.org>

# STOCKADE CATAPULT

## WHAT YOU NEED:

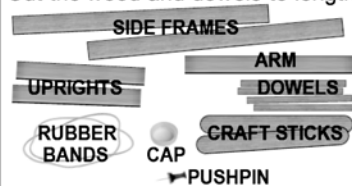
- 2 of 3/4"x3/4"x10.5" Side Frames
  - 2 of 3/4"x3/4"x5.5" Uprights
  - 1 of 3/4"x3/4"x7" Arm
  - 4 of 1/4"x4" Dowel
  - 2 of 6" or 8" Jumbo Craft Sticks
  - 1 of Water Bottle Cap
  - 2 of 5" Rubber Bands (#36)
  - 1 of Pushpin
- Saw, Drill, 1/4" & 5/16" Bits, Hammer  
Sandpaper, Stain, Hot Glue Gun

Each catapult requires about 40" of 1x1 (3/4"x3/4") pine or fir lumber, 20" of 1/4" doweling, 2 jumbo craft sticks, a bottle cap, 2 rubber bands and a pushpin. The cut-sizes and the tools are listed to the left and will be noted in the instructions.

**THIS NEEDS ADULT SUPERVISION**

## STEP 1

Obtain all the parts listed above. Cut the wood and dowels to length.

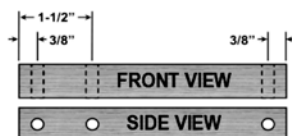


## STEP 2

Using a drill and the help of an adult, drill two 1/4" holes in each of the two SIDE FRAMES, 3" from each end...



Drill two 1/4" holes in each of the two UPRIGHTS, 3/8" from each end. Then drill a third 1/4" hole 1-1/2" from one of the ends...



Very carefully, drill a 1/4" hole in one end of each of the two CRAFT STICKS...



Change the drill bit to the 5/16" bit and drill a 5/16" hole 3/4" from one end of the ARM...



## STEP 3

Use the sandpaper to sand all the wooden pieces, removing all splinters and smoothing the edges and ends.

When finished, clean up all the dust, and cover your work area with newspapers or painting tarps. Wear a painting smock or cover up with a plastic garbage bag.

GET AN ADULT'S HELP BEFORE DOING ANY PAINTING OR STAINING. Use water-based stain to darken the SIDE FRAMES, UPRIGHTS and CRAFT STICKS.



Set the stained pieces in a safe area to dry for at least 24 hours.

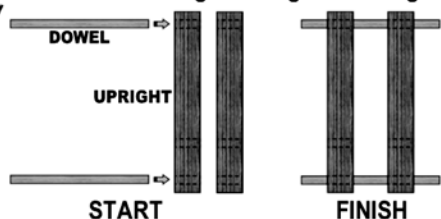
Use soap and water to clean up.

## STEP 4

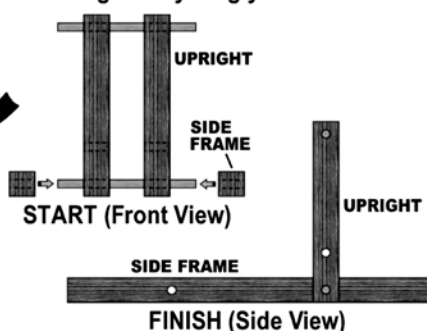
# ASSEMBLY

Follow the steps shown on the next page to put your catapult together.

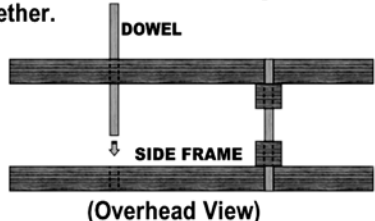
**STEP 4A** Tap a DOWEL into the top holes and the bottom holes of UPRIGHTS. These should be tight enough without glue.



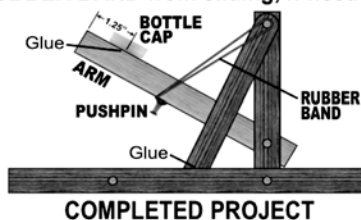
**STEP 4B** Tap the middle hole of each of the two SIDE FRAMES onto the lower DOWEL in the UPRIGHTS. Make sure the empty hole is near the bottom. Do NOT glue anything yet.



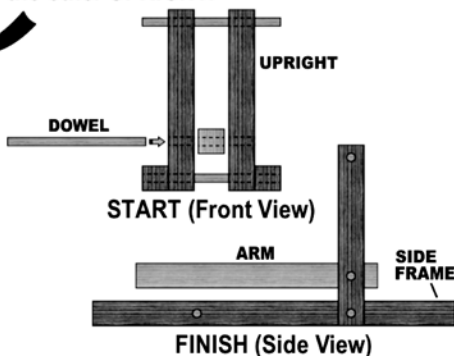
**STEP 4C** Tap a third DOWEL into the other hole of each of the two SIDE FRAMES to finish connecting them together.



**STEP 4E** Slide the hole of a CRAFT STICK over the top DOWEL on each of the UPRIGHTS. Adjust the UPRIGHTS to be at right angles to the SIDE FRAMES then use hot glue to secure the CRAFT STICK to the inside of SIDE FRAMES. Hot glue the BOTTLE CAP centered about 1.25" from the end of the ARM. Loop 1 or 2 RUBBER BANDS over the top DOWEL, under the ARM and over the same DOWEL on the other side. Use a PUSHPIN to keep the RUBBER BAND from sliding, if needed.



**STEP 4D** Tap the last DOWEL through the empty hole in one UPRIGHT through the hole in the ARM and through the other UPRIGHT.

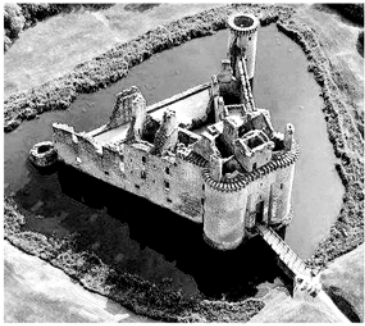


**STEP 5** Clean up your work area. Put your tools back from where they came.

YOUR STOCKADE CATAPULT IS FINISHED. BE CAREFUL HOW YOU USE IT. IT IS A SMALL WEAPON AND WILL HURT PEOPLE AND ANIMALS, AND WILL BREAK TVs AND WINDOWS.

USE IT TO FIRE SMALL BALLS, MARSHMALLOWS, CHECKERS, OR OLD ERASERS.

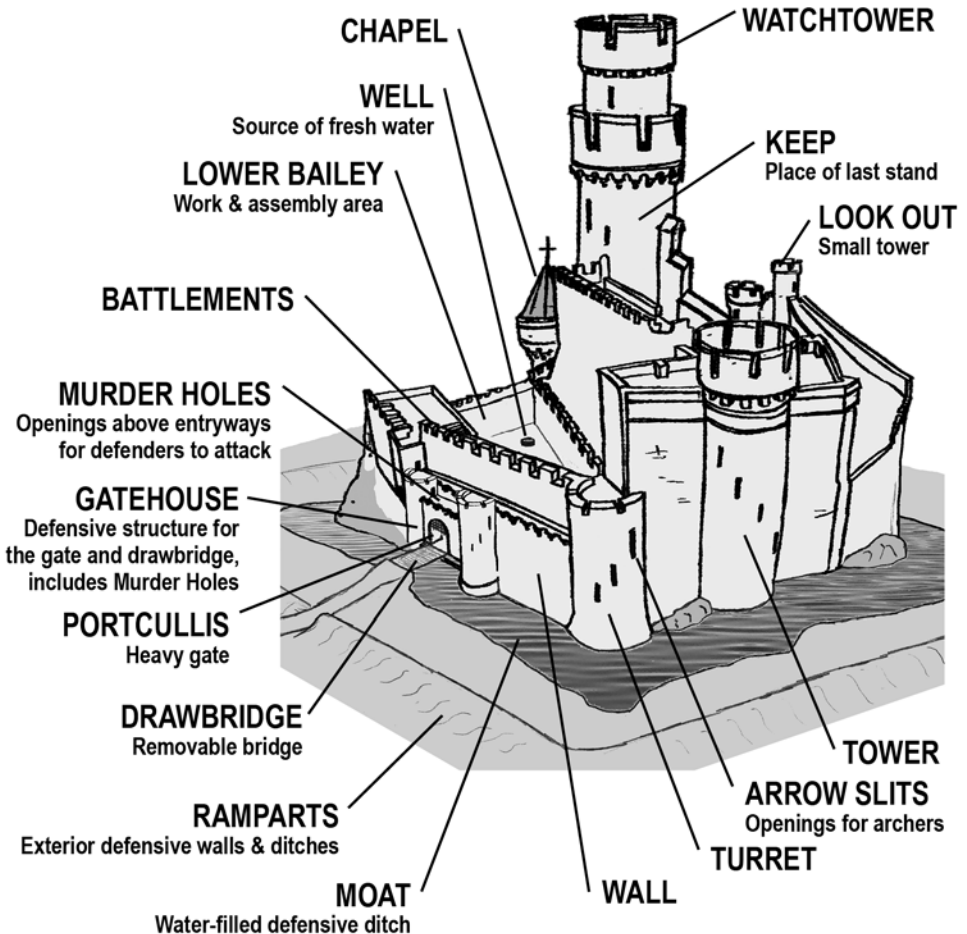
# FORTRESS DEFENSES



A fortress is a fortified place; a large and permanent fortification, which sometimes includes a town, fort, castle, stronghold, and place of refuge. Designed for defense, it is very difficult to capture. Fortresses usually have thick stone walls, so siege weapons cannot easily destroy them. Windows are narrow slits, without glass, that soldiers inside can fire through using bow and arrow, crossbow, musket, or rifle. The defenders are also able to drop rocks and

boiling oil on the heads of attackers below. Attacks were often successful only after long sieges. Psalm 91: 2 says, "I will say to the Lord, 'My refuge and my fortress, my God, in whom I trust.'"

Cairnbarrow Castle Scotland Photo by Simon Ledington-wikipedia



# CATAPULT LABORATORY

**CATAPULTS ARE DANGEROUS WEAPONS, AND EVEN SMALL ONES CAN HURT PEOPLE AND PETS, DAMAGE WALLS AND FURNITURE, AND BREAK WINDOWS AND TVs. BE VERY CAREFUL WHEN USING A CATAPULT.**






For years, technicians and engineers perfected these machines. Through testing, they learned about firing distance and accuracy, the size and weight of the payloads, construction strength, and portability. You will be testing some of these properties for yourself.

**Start by building a catapult using the plans in the CSB Resource Pages.** Have a trusted adult help you with the materials and the construction.

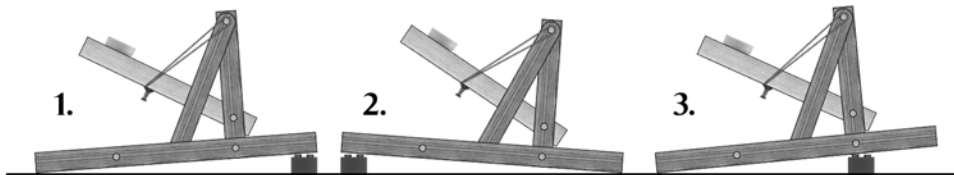
## How does weight affect the throwing distance?



1.  Try firing objects of different weights: a marshmallow, an eraser, and a small plastic ball. Which one went farthest before hitting the ground? Which one went the shortest distance?
2. 
3. 

## How does throwing angle affect throwing distance?

Place blocks under the front frame of the catapult to increase the firing angle. Then place the blocks under the back frame of the catapult to reduce the firing angle. Experiment with where to place the blocks to find the optimum firing angle.



Tell your Ranger about what you learned about your catapult.

# GOD IS OUR FORTRESS!



Your mission is to visit a Christian senior or a Believer who has physical challenges. Introduce yourself and explain that you are working on Siege Weapons in Stockade. Then read Psalm 18:2, "*The LORD is my rock and my fortress and my deliverer, my God, my rock, in whom I take refuge, my shield, and the horn of my salvation, my stronghold.*" Tell them about siege weapons and castles, and that you want to learn more about how God is like a fortress to Christians. Recite your Sentinel Memory Verse (Genesis 50:20) to them. Then write down their answers to the following questions:

The Bible says that God is our fortress, that the righteous run in to it and are safe. How have you experienced this in your life? \_\_\_\_\_

\_\_\_\_\_

Were you prepared for the trouble when it arrived? \_\_\_\_\_

\_\_\_\_\_

What did you learn about God through this? \_\_\_\_\_

\_\_\_\_\_

What is your favorite Bible verse during times like this, and why? \_\_\_\_\_

\_\_\_\_\_

Before you leave, ask the person to pray for you: that you would have the courage to endure difficult situations so that God's work is done.

**Report back to your Ranger with all that happened.**