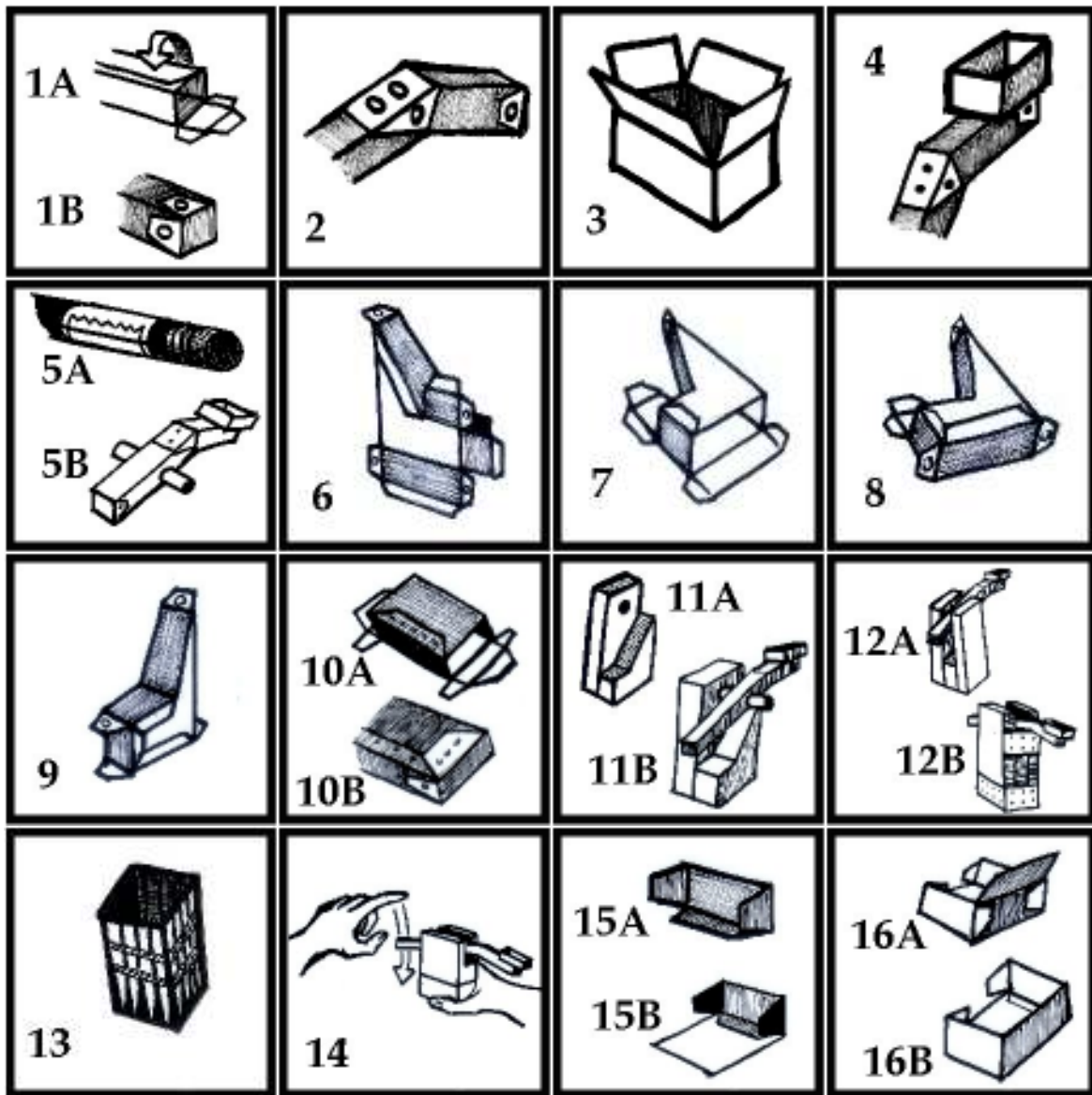


## THE CATAPULT -ASSEMBLY INSTRUCTIONS-Page 1.



### WHAT YOU'LL NEED:

Scissors, Tape, Elmer's glue (or a glue stick), a ruler or other straightedge, a pencil and an Exact-o knife.

### ASSEMBLY INSTRUCTIONS:

Begin by cutting out Crossbeam A on page 1. Carefully use an Exact-o knife to cut out the two white circles. Fold the three metal tabs (with bolts) DOWNWARD and then fold the metal end panel DOWNWARD. Next fold the long grey panel DOWNWARD and then fold all four wooden panels DOWNWARD along the blue lines. Glue the outer wooden panel over the opposite grey panel, as shown in FIGURE 1A. Then fold the end panel down and glue the three metal tabs (with bolts) down as shown in FIGURE 1B.

Next cut out Crossbeam B on page 1. Fold the tab with 3 bolts UPWARD and fold the tab with two bolts DOWNWARD. (Do not fold the triangular tabs.) On the opposite side of the piece, fold the three metal tabs (with bolts) DOWNWARD and then fold the metal end panel DOWNWARD. Next fold the long grey panel DOWNWARD and then fold all four wooden panels DOWNWARD along the blue lines. Again glue the outer wooden panel over the opposite grey panel, as shown in FIGURE 1A, and then fold the end panel down and glue the three metal tabs (with bolts) down as shown in FIGURE 1B.

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## THE CATAPULT -ASSEMBLY INSTRUCTIONS-Page 2.

To connect Crossbeam A and B, we must first identify the top of each piece. For Crossbeam A the top is the wooden panel with NO metal tab at the end. For Crossbeam B the top is the panel with two bolts in the metal tab (the tab with three bolts should face downward). With the tops of both pieces facing upward, slide the tabs on the open end of Crossbeam B over the open end of Crossbeam A. The triangular tabs on Crossbeam B should line up with the upper edges of Crossbeam A as shown in FIGURE 2. Glue the triangular side tabs in place and then glue the top and bottom tabs in place. That completes the catapult crossbeam! We'll build the bucket next...

Cut out the Bucket on page 1. Fold the four grey tabs DOWNWARD, fold the four outer wood panels DOWNWARD along the blue lines, and then fold the four wooden side panels DOWNWARD along the blue lines. Glue the grey tabs to the backs of the adjoining wood panels to form a box like the one shown in FIGURE 3. Fold the four outer panels down and glue them to the backs of the side panels to line the inside of the box. (Be sure to press the inside corners down completely so our ammo will fit later.) Cut out the Bucket Liner on page 1 and glue it to the inside bottom of the bucket. Position the bucket on top of Crossbeam B as shown in FIGURE 4 and glue firmly in place.

Now cut out the Post piece on page 1. Wrap this piece snugly around a pencil and tape the end down, as shown in FIGURE 5A. Then remove the pencil and place the Post through the hole in Crossbeam A, as shown in FIGURE 5B. (Do not glue the post.) You now have a launch mechanism for your catapult. Next we'll construct the base.

Cut out the Center Section on page 1. Fold the four metal tabs (with bolts) DOWNWARD. Next fold the four grey tabs (with green numbers) DOWNWARD. Now fold the four outer wooden panels DOWNWARD along the blue lines, and then fold the two large grey panels (with red numbers) DOWNWARD along the green lines. Glue tab 1 to panel 6, as shown in FIGURE 6. Then glue tab 3 to panel 5 as shown in FIGURE 7. Next glue tab 4 to panel 5 as shown in FIGURE 8. Now glue tab 2 to panel 5 as shown in FIGURE 9. Glue down the four remaining metal tabs and the Center Section is complete.

Cut out the Side Section on page 2 and carefully use the Exact-o knife to remove the white circle. Fold all seven metal tabs DOWNWARD and then fold DOWNWARD along the blue lines between all six wood panels. Glue the large metal tab (with 5 bolts) to the opposite wood panel as shown in FIGURE 10A. Fold the end panels down and glue the remaining metal tabs in place as shown in FIGURE 10B. It helps to glue the four smaller tabs first, using plenty of glue and very light pressure. Next glue the bottom tab (the bottom end is farthest from the round hole) by inserting a ruler into the box to push against. Then glue the top tab (the top end is closest to the round hole) by inserting the pencil into the hole so there's something to push against (but be careful not to tear the hole). When the Side Section is finished, cut out the other Side Section on page 3 and build it in exactly the same manner.

After completing both Side Sections, place a Side Section against the Center Section (with the round hole facing inwards towards the Center Section) as shown in FIGURE 11A. Be sure the bottom and back edges are lined up properly, and glue the Side Section to the Center Section (pressing gently so you don't crush the pieces). Next place the Crossbeam in position, as shown in FIGURE 11B. The Post should fit into the Hole in the Side Section. DO NOT glue the post! Place the other Side Section in position, as shown in FIGURE 12A, again being sure the Post slides into the round hole in the Side Section. Line up the back and bottom edges of the Center and Side Sections, and glue the Side Section to the Center Section. It's beginning to look like a catapult, isn't it?

We'll finish the catapult by making it a little stronger. Cut out the Lower Brace and the Back Brace on page 2. Fold the grey panel on the Lower Brace DOWNWARD and then fold DOWNWARD between the four metal panels (along the blue lines). Wrap the Lower Brace snugly around the bottom of the catapult as shown in FIGURE 12B. (The panels with eight bolts go on the sides.) Glue the end metal panel directly over the blank grey panel. The Lower Brace should now stay put, but if it slides off the catapult add some glue to the inside and replace it. Next glue the Back Brace to the back of the catapult as shown in FIGURE 12B. The brace should rest just below the crossbeam.

Your catapult is now finished! Next we'll assemble our target. Unless, of course, you might prefer to build some ammunition first and test fire the catapult. What's that? You would? OK...

Cut out the Stake Bundles on page 9. Notice some have one rope and some have two ropes. This is so you can tell Player One's bundles from Player Two's bundles when adding up the score during a game.

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## THE CATAPULT -ASSEMBLY INSTRUCTIONS-Page 3.

To assemble a bundle of stakes: there are two inside panels (divided by a green line) and four outside panels (divided by red lines). Fold the small inside panel UPWARD along the green line, and then fold the large inside panel (the row of stakes WITHOUT any rope) DOWNWARD along the red line. Glue the inside panel to the back of the outside panels (The ones with rope). Trim the bottom edge if needed. Now carefully fold DOWNWARD between the four outside panels (along the red lines). Form the bundle into a cube, as shown in FIGURE 13, gluing the two blank panels to each other. You can flatten the piece when gluing and then fold it back out when done. (The tops and bottoms of the bundles are left open. This makes them faster and easier to assemble, and they seem to fly better than closed boxes.) Touch up any white areas with a black marker (if you wish) and the bundle is ready to fire from the catapult.

Lay the bundle in the bucket. Place the catapult on a firm surface and grasp the bottom of the catapult as shown in FIGURE 14. Place a finger over the front end of the crossbeam and bring the finger down forcefully. The bundle of stakes should be catapulted several feet. (The effective range of this toy seems to be anywhere from 3 feet to 10 feet.) Take a minute to play with the catapult and then we'll build the target.

To build the target, cut out the Base Piece on page 4. Don't separate anything, this is all one large piece. Now we'll build the coffin. Cut out the Coffin Top and Coffin Bottom on page 5. These two pieces are identical, so it's OK if you mix them up. For each piece, fold the dark brown tab UPWARD along the green line. Then fold the two light brown tabs DOWNWARD. Next fold DOWNWARD along the red line between the inside and outside panels. Glue the inside and outside panel together. The piece should resemble FIGURE 15A. Line up the bottom edge of the Coffin Top piece with the top of the wooden square in the center of the Base Piece, as shown in FIGURE 15B. Glue the dark brown tab to the Base Piece. Repeat this procedure with the Coffin Bottom piece, lining the piece up with the bottom of the wooden square. Next, cut out the two Coffin Sides on page 6. For each piece, fold the tab UPWARDS along the green line and then fold DOWNWARD between the two side panels (along the red line). DO NOT glue the two panels together yet. Place the Coffin Side piece in position between the light brown tabs of the Coffin Top and Bottom pieces (with the Top and Bottom tabs on the outside) as shown in FIGURE 16A, and glue the Coffin Side's tab to the Base Piece. Then glue the two remaining tabs to the back of the Coffin Side's inside panel, fold the outside panel of the Coffin Side down over the tabs and glue in place, as shown in FIGURE 16B. Repeat this procedure for both Coffin Sides. Now we'll finish the coffin by cutting out the friendly looking Vampire from page 2 (don't remove the grey background, just cut out the entire square). Glue the square to the bottom of the Coffin and you now have a suitable target for your bundles of stakes. We'll use this same assembly process to build the Vault and Grave.

To build the Vault: cut out the Vault Top Wall and Vault Bottom Wall on page 5. For both pieces, fold the blank grey tabs DOWNWARD, fold the long stone tab UPWARD along the green line and then fold DOWNWARD between the inside and outside panels (along the red line). Glue the inside and outside panel together. The piece should resemble FIGURE 15A. Line up the bottom edge of the Vault Top Wall piece with the top of the stone square on the Base Piece, as shown in FIGURE 15B. Glue the long stone tab to the Base Piece. Repeat this procedure with the Vault Bottom Wall piece, lining the piece up with the bottom of the stone square. Next, cut out the two Vault Sides on page 6. For each piece, fold the tab UPWARDS along the green line and then fold DOWNWARD between the two side panels (along the red line). DO NOT glue the two panels together yet. Place the Vault Side piece in position between the blank grey tabs of the Vault Top and Bottom pieces (with the Top and Bottom tabs on the outside) as shown in FIGURE 16A and glue the Vault Side's tab to the Base Piece. Then glue the two remaining tabs to the back of the Vault Side's inside panel, fold the outside panel of the Vault Side down over the tabs and glue in place, as shown in FIGURE 16B. Repeat this procedure for both Vault Sides.

To build the Grave: cut out the Grave Top Wall and Grave Bottom Wall on page 7. For both pieces, fold the blank brown tabs DOWNWARD, fold the long soil tab UPWARD along the green line and then fold DOWNWARD between the inside and outside panels (along the red line). Glue the inside and outside panel together. The piece should resemble FIGURE 15A. Line up the bottom edge of the Grave Top Wall piece with the top of the soil square on the Base Piece, as shown in FIGURE 15B. Glue the long soil tab to the Base Piece. Repeat this procedure with the Grave Bottom Wall piece, lining the piece up with the bottom of the stone square.

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## **THE CATAPULT -ASSEMBLY INSTRUCTIONS-Page 4.**

Next, cut out the two Grave Side Walls on page 8. For each piece, fold the tab UPWARDS along the green line and then fold DOWNWARD between the two side panels (along the red line). DO NOT glue the two panels together yet. Place the Grave Side Wall piece in position between the blank brown tabs of the Grave Top and Bottom pieces (with the Top and Bottom tabs on the outside) as shown in FIGURE 16A and glue the Grave Side Wall's tab to the Base Piece. Then glue the two remaining tabs to the back of the Grave Side Wall's inside panel, fold the outside panel of the Grave Side Wall down over the tabs and glue in place, as shown in FIGURE 16B. Repeat this procedure for both Grave Side Walls.

And now there's just one last detail to take care of... let's add a headstone to this gloomy vampire's grave. Cut out the Headstone on page 3 (but don't separate the two sides). Fold DOWNWARD along the green line and then glue the two sides together. Trim as needed and then glue the square of soil at the bottom of the Headstone to the center of the Grave Top Wall. And THAT'S IT!!! Your catapult game is now finished and ready to play. Have Fun!

### **GAME RULES:**

**Game is for 2 players.**

**Each player takes 6 bundles of stakes.**

**Target should be set anywhere from 3 to 9 feet from the catapult.**

**Players take turns shooting bundles of stakes at the vampire.**

**Landing a bundle of stakes in the Coffin earns 20 points (because at least one stake probably impaled the Vampire).**

**Landing a bundle of stakes in the Vault earns 10 points (because the Vampire may accidentally impale himself on them while leaving his grave at night).**

**Landing a bundle of stakes in the Grave earns 5 points (because there are a few seeds in each bundle, and if a tree grows the roots might eventually punch through the coffin and impale the Vampire).**

**After all 12 bundles have been fired, player with the highest score wins.**