

PROJECT PLAN



Some call it “Viking Chess.” We call it awesome.

The simple construction of this outdoor activity makes it an ideal weekend or even after-work project.

The set features one King, ten Kubbs, six Batons, and four Marking Stakes to designate the corners of the pitch and centerline.

Using just a few YellaWood® boards and some wooden rods, the game takes shape in a few steps.

The Kubbs are ripped and cross-cut from 4x4 stock, the King is a 4x4 with a decorative top to designate a crown, and the wooden rods in two diameters create the Batons and Marking Stakes.

After each piece is sanded and sealed, it's just a matter of setting up the game parameters before an official game can ensue.

Official setup and rules found here: usakubb.org/rules.php

BUILD TIME

3
HRS

DIFFICULTY



COST



WHAT YOU'LL NEED

SUPPLIES

WOOD STOCK

- 1x** 4"x4"x8'
- 1x** 1 1/4"x6' dowel
- 1x** 3/4"x6' dowel

FINISHING

YellaWood Protector® Stain & Sealer

TOOLS



Chop saw
(or hand or
circular saw)



Table saw



Measuring
tape



Carpenter
square



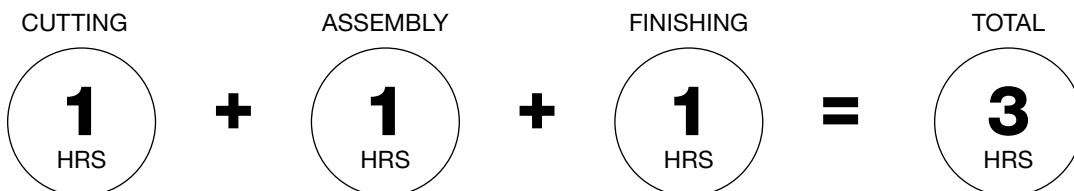
Rotary
sander*



Paint/Stain
Brush

*As an alternative to sanding dowels to a sharp point, you can purchase four 12" grade stakes

BUILD TIME



WHAT YOU'LL NEED

CUTLIST: DIAGRAMS

4x4x8' STOCK
1 BOARD



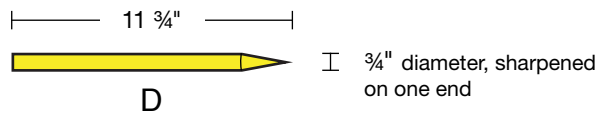
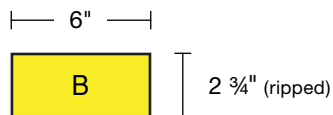
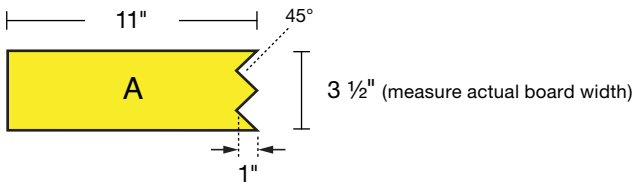
1 1/4"x6' WOODEN DOWEL
1 DOWEL



3/4"x6' WOODEN DOWEL
1 DOWEL



CUTLIST: DIMENSIONS

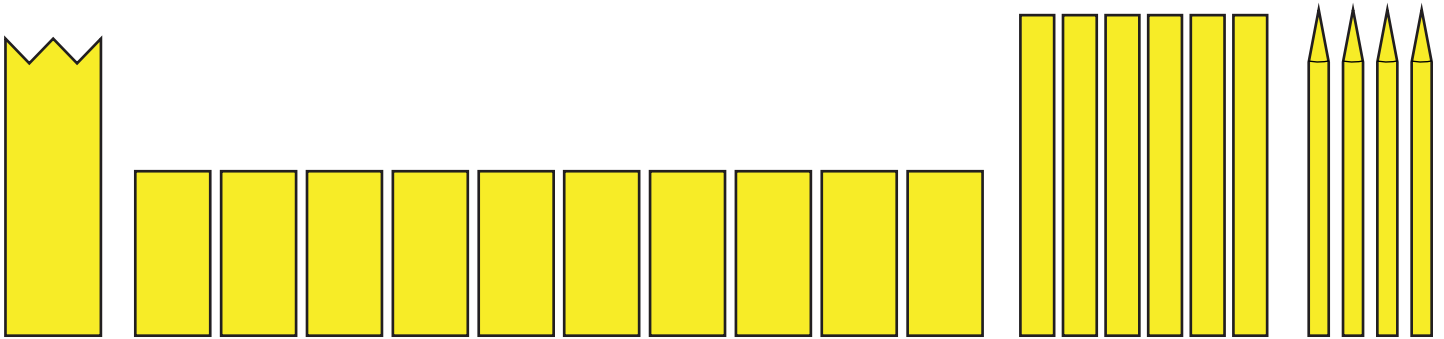


CUTLIST: TEXT

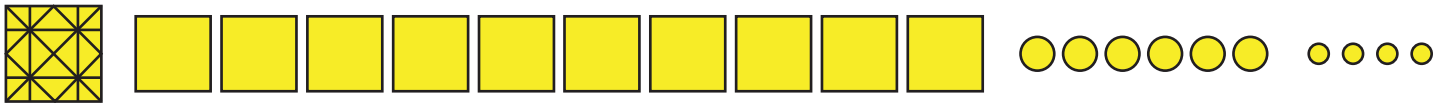
COUNT	PART	STOCK	DIMENSION
1x	A	4x4	11 x 3 1/2 x 3 1/2" w/ 45° angle cuts
10x	B	4x4	6 x 2 3/4 x 2 3/4" ripped
6x	C	1 1/4" dowel	11 3/4 x 1 1/4"
4x	D	3/4" dowel	11 3/4 x 3/4"

DIMENSIONS & DIAGRAMS

FRONT



TOP

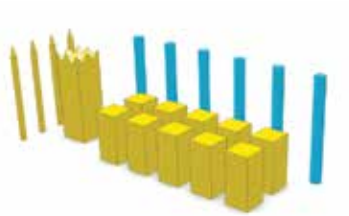


OVERVIEW OF STEPS

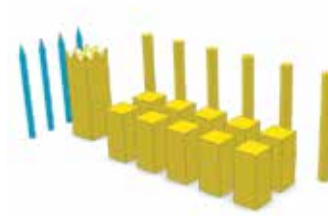
SEQUENCE OF BUILD



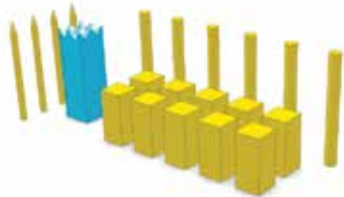
1: BATONS



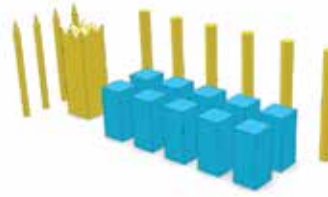
2: MARKERS



3: KING



4: KUBBS

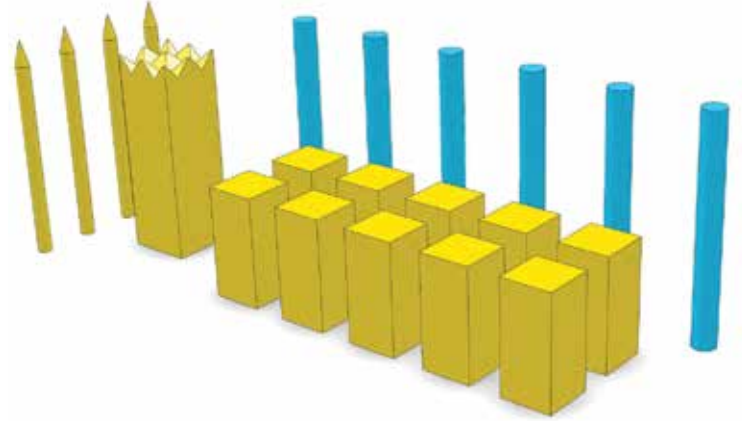


5: FINISHING



DIMENSIONS & DIAGRAMS

STEP 1: BATONS



1



Cut a 1 1/4" dowel to a length of 11 3/4" using a miter saw.

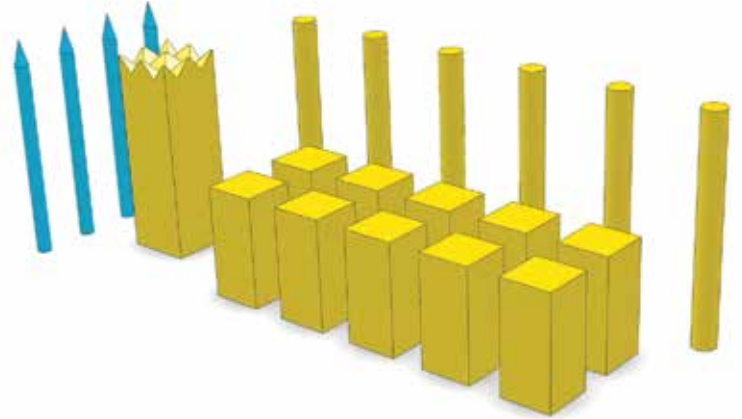
2



Repeat until you have six Batons.

DIMENSIONS & DIAGRAMS

STEP 2: MARKERS



3



Cut a $\frac{3}{4}$ " dowel to a length of $11 \frac{3}{4}$ " using a miter saw.

4



Sand the sharp edges to create a point at one end, creating a stake.

5



Repeat until you have four Stakes.

Tip: Measure the bottom of the cone-shaped point of the first one and transcribe that to the other three so you know where the base of the point is.

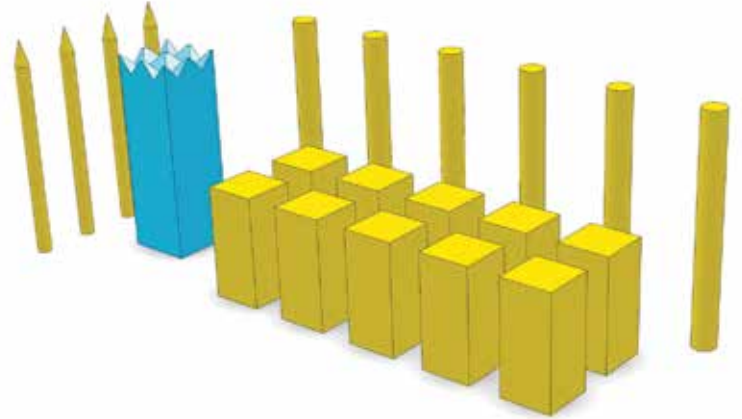
PROGRESS POINT



Note: As an alternative, you can purchase four 12" grade stakes.

DIMENSIONS & DIAGRAMS

STEP 3: KING



6



Begin by trimming a slice off the ends of the 4x4 boards so you have clean surfaces.

7



Cut a 4x4 to length of 11".

8



On the top surface, draw an X from corner to corner using a square.

9



Placing the square along one of the faces, draw a line that intersects the center of the X. Repeat on the perpendicular face.

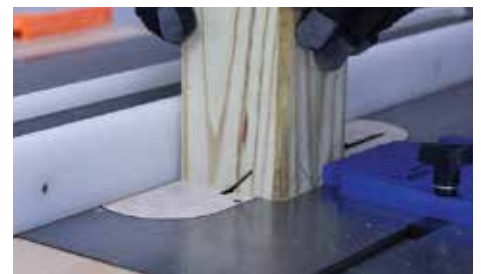
10



Next, draw 45° lines on the side of the 4x4 to create two triangles as shown.

If desired, shade the resultant triangles to indicate that you will be removing them.

11



Use a table saw with the blade set to 45° to cut along the corresponding angle line.

Tip: Use a feather-board to aid in keeping pressure on the vertical 4x4.

DIMENSIONS & DIAGRAMS

STEP 3: KING

12



Repeat the cut one more time on the other angle, then rotate the 4x4 by 90° and repeat the two cuts.

13



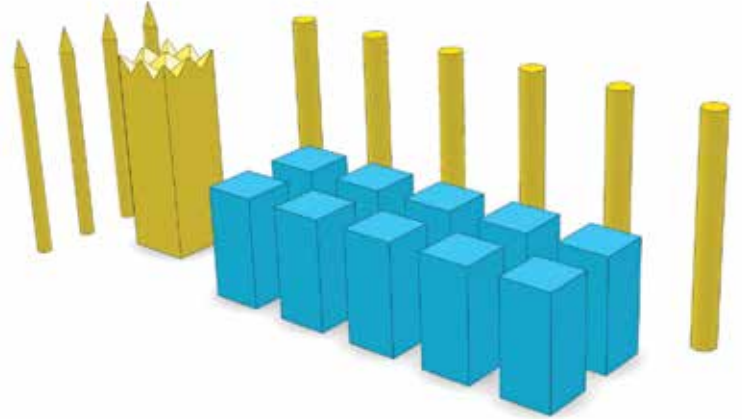
The final King should look like the photo at right.

PROGRESS POINT



DIMENSIONS & DIAGRAMS

STEP 4: KUBBS



14



Rip a 4x4 to a width of 2 3/4" using a table saw. You'll need to flip the piece over and cut through the remainder to achieve a clean edge. Rotate the piece 90° and repeat.

15



Next, trim the ends off of the 4x4 boards so you have clean surfaces.

16



Cut to a length of 6" using a miter saw.

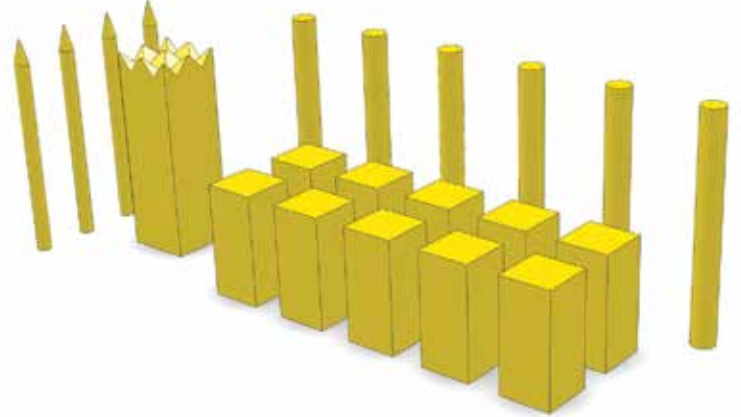
17



Repeat nine times until you have ten Kubbs.

DIMENSIONS & DIAGRAMS

FINISHING & ACCESSORIES



YellaWood® brand products provide the best available pressure treated lumber protection against rot, fungal decay and termites. Sanding edges is recommended to reduce snags and splintering. At a minimum, we recommend annual application of a water repellent. You can also paint or stain it if you prefer.

18



Ease any sharp edges with a medium grit sanding block. Apply preferred finish to the wood

19



We recommend long lasting YellaWood Protector® semi-transparent stain and water repellent wood sealer, the only stain backed by the famous Yella Tag. Follow manufacturer's recommendations for application.

CONGRATULATIONS. ENJOY YOUR NEW KUBB GAME SET!

Visit usakubb.org/rules.php for official rules and setup.

DIMENSIONS & DIAGRAMS

GALLERY OF IMAGES



FASTENER & HARDWARE INFORMATION

FOR INTERIOR OR EXTERIOR APPLICATIONS

Use fasteners and hardware that are in compliance with the manufacturer's recommendations and the building codes for their intended use. As with any good design and construction practices, treated wood should not be used in applications where trapped moisture or water can occur. Where design and/or actual conditions allow for constant, repetitive or long periods of wet conditions, only stainless steel fasteners should be used.

FOR EXTERIOR APPLICATIONS

The following minimum galvanization levels may be used for connectors, joist hangers, fasteners and other hardware that are placed in direct contact with exterior applications of micronized copper treated wood:

- **Fasteners** – nails, screws, etc. ASTM – A 153 (1 oz/ft²)
- **Hardware** – connectors, joist hangers, etc. ASTM – A 653 G90 (0.90 oz/ft²)

The effects of other building materials within a given assembly, along with environmental factors, should also be considered when selecting the appropriate hardware and fasteners to use for a given project containing treated wood.

Stainless Steel fasteners and hardware are required for Permanent Wood Foundations below grade and are recommended for use with treated wood in other severe exterior applications such as swimming pools, salt water exposure, etc. Type 304 and 316 are recommended grades to use.

ALUMINUM

Aluminum building products may be placed in direct contact with YellaWood® brand products used for interior uses and above ground exterior applications such as decks, fencing, and landscaping projects. Examples of aluminum products include siding, roofing, gutters, door and window trim, flashing, nails, fasteners and other hardware connectors. However, direct contact of treated products and aluminum building products should be limited to code-compliant construction applications that provide proper water drainage and do not allow the wood to be exposed to standing water or water immersion.

We recommend you contact the aluminum building products manufacturer for its recommendations regarding use of its aluminum products in contact with treated wood in ground contact applications or when exposed to salt water, brackish water, or chlorinated water, such as swimming pools or hot tubs.

Also check with the aluminum building products manufacturer regarding compatibility with other chemicals and cleaning agents and the use of their aluminum products in commercial, industrial, and specialty applications such as boat construction.

YellaWood® brand pressure treated products are treated with preservatives (the "Preservatives") and preservative methods and technologies of unrelated third parties. For details regarding the Preservatives, methods, and technologies used by Great Southern Wood Preserving, Incorporated, see www.yellowood.com/preservative or write us at P.O. Box 610, Abbeville, AL 36310. Ask dealer for warranty details. For warranty or for important handling and other information concerning our products including the appropriate Safety Data Sheet (SDS), please visit us at www.yellowood.com/warranties or write us at P.O. Box 610, Abbeville, AL 36310. YellaWood®, YellaWood Protector® and the yellow tag are federally registered trademarks of Great Southern Wood Preserving, Incorporated.

Great Southern Wood Preserving, Incorporated makes no warranties expressed or implied as to the fitness for a particular purpose of this plan.

IMPORTANT INFORMATION

- Consult the end tag to determine which preservative or preservative system was used in the treatment of that particular product. YellaWood® brand products may be used in direct contact with aluminum building products when limited to code-compliant construction applications that provide proper water drainage and do not allow the wood to be exposed to standing water or water immersion.
- Use fasteners and other hardware that are in compliance with building codes for the intended use.
- Do not burn preserved wood.
- Wear a dust mask and goggles when cutting or sanding wood.
- Wear gloves when working with wood.
- Some preservative may migrate from the treated wood into soil/water or may dislodge from the treated wood surface upon contact with skin.
- Wash exposed skin areas thoroughly.
- All sawdust and construction debris should be cleaned up and disposed of after construction.
- Wash work clothes separately from other household clothing before reuse.
- Preserved wood should not be used where it may come into direct or indirect contact with drinking water, except for uses involving incidental contact such as fresh water docks and bridges.
- Do not use preserved wood under circumstances when the preservative may become a component of food, animal feed or beehives.
- Do not use preserved wood as mulch.
- Only preserved wood that is visibly clean and free of surface residue should be used. If the wood is to be used in an interior application and becomes wet during construction, it should be allowed to dry before being covered or enclosed.
- Mold growth can and does occur on the surface of many products, including untreated and treated wood, during prolonged surface exposure to excessive moisture conditions. To remove mold from the treated wood surface, wood should be allowed to dry. Typically, mild soap and water can be used to remove remaining surface mold. For more information visit www.epa.gov.
- Projects should be designed and installed in accordance with federal, state and local building codes and ordinances governing construction in your area, and in accordance with the National Design Specifications (NDS) and the Wood Handbook.

DISPOSAL RECOMMENDATIONS

Preserved wood may be disposed of in landfills or burned in commercial or industrial incinerators or boilers in accordance with federal, state and local regulations.