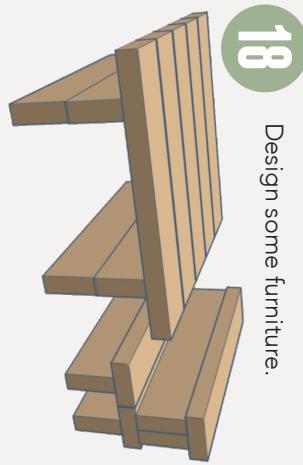


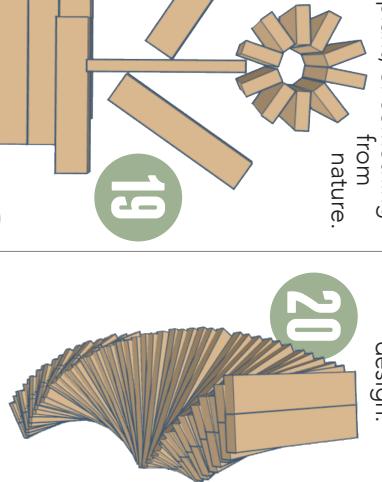
17

Design a place to live.



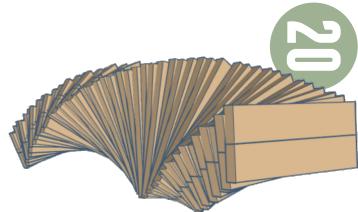
18

Design some furniture.



19

Design a tree, flower, plant, or something from nature.



20

Make a spiral design.

1

This guide has ideas for projects with your planks. Project photos show just one example of a way to make something. Use your own ideas and creativity to invent new designs, games, and challenges!

Find more things you can build at kevaplanks.com.

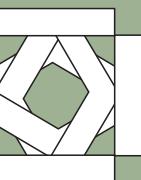
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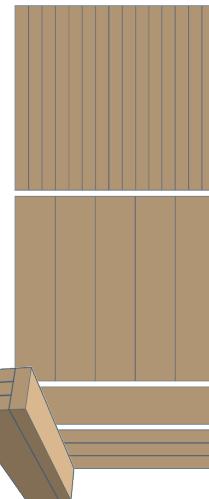
1

Build the tallest tower you can with the planks that you have.

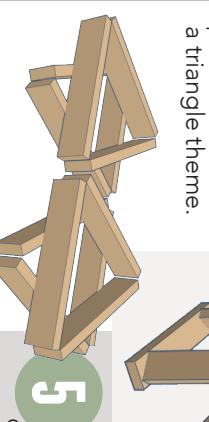
2



KEVA® planks

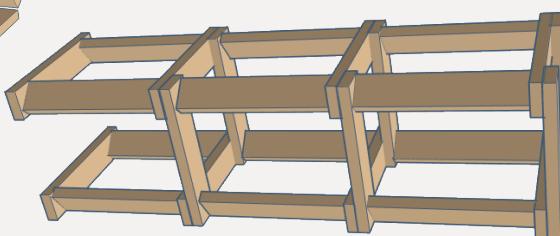


The width of one KEVA Plank is the same as three plank thicknesses (1:3). The length of one plank equals exactly five widths (1:5). The length of one plank is also the same as fifteen plank thicknesses (1:15).



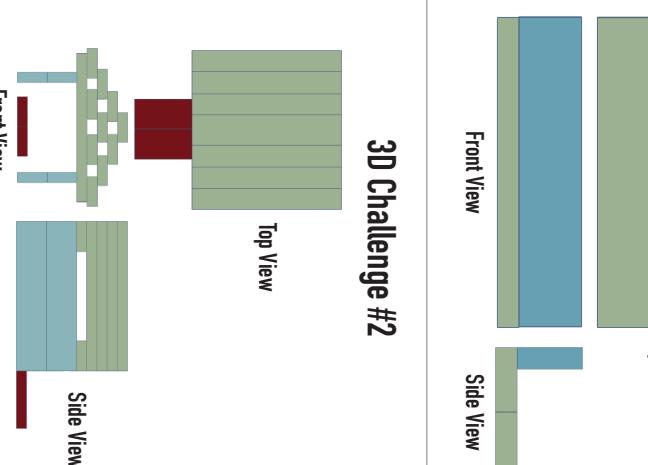
3
4

Make a design with planks with a triangle theme.



5

Make as many different squares as you can.



3D Challenge #1

The drawings below show three views of the same object. This is called a Technical Drawing. See if you can build the structure using the drawing. The solutions are on page 6.

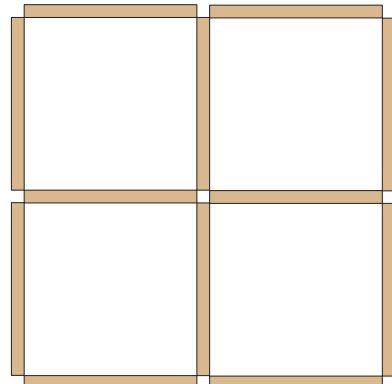
7

6
7
8

Create your own Technical Drawings. Build your own original structure. Draw the top, side, and front views on a paper. Share the drawing with a friend so they have a new challenge.

Mind Mover Puzzle #1

Arrange KEVA planks on edge according to this drawing. Move 4 planks to make 3 squares of equal size. The solutions are on page 6.



With a partner, use a book or (something else) to create a barrier between you so you can't see what the other person is building. One person builds a structure up to 10 planks on their side with their partner how to build the same complete, lift and compare structures.

Variations: Try one round with without any questions allowed, so only the person describing the structure speaks. The next round, allow the person building to ask questions.

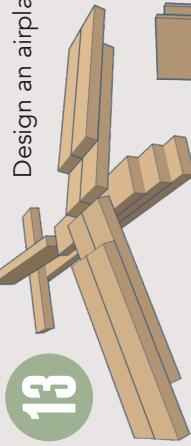
How are the experiences different?

Which was more effective?

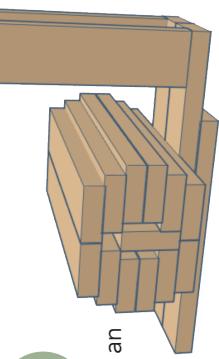
Which was more enjoyable?

Solutions to Activities 7 & 9

13

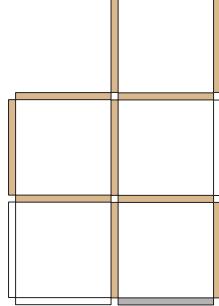


14



Design an animal.

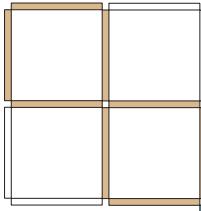
Mind Mover #2



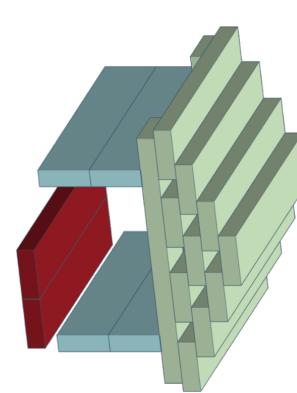
15

Design an animal.

Mind Mover #1

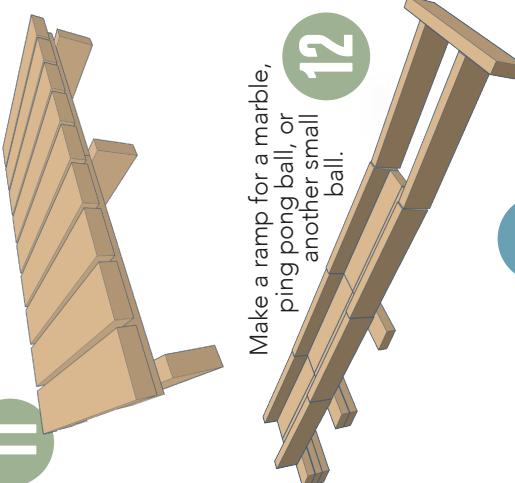


3D Challenge #2

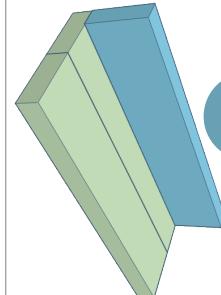


11

Design a boat dock or deck.



3D Challenge #1



9

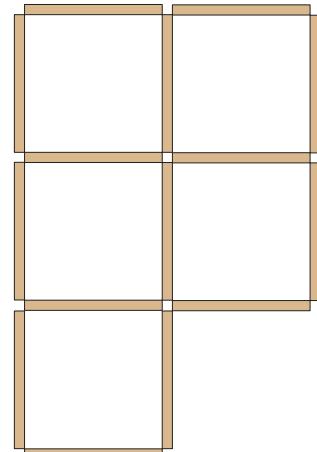
12

Make a ramp for a marble, ping pong ball, or another small ball.

5

Mind Mover Puzzle #2

Remove 3 planks to leave 3 squares of equal size.



4



16

Make a trunk with 3 planks together and stacked upright. Carefully turns stacking planks flat on top of each other to make the branches of the tree.

Variation: Make the trunk with only two planks or one plank. Stack some branches on edge.

7