

..... LESSON PLAN

This lesson plan was provided by [KEVA](#). We think it will help guide learning in your classroom.

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Following Directions with KEVA®

OBJECTIVE: Students will follow directions as they build a variety of towers.

MATERIALS: • 20 to 30 KEVA planks per child

PROCEDURE:

- 1.** This lesson is best done in short 10-minute segments over several days. Older children can do this lesson with the terms parallel and perpendicular, while younger children will need a visual cue and the words “in the same way” and “in the opposite way.” Have each student count out their planks and take them to their work area.
- 2.** Demonstrate how to build with KEVA planks on the flat side (*See Basic Instructions for Building*).
 - a.** Tell the class to lay 2 planks flat, parallel to one another (or going in the same direction).
 - b.** Next, have them lay 2 more planks flat on the top of the first 2, but these should be perpendicular to the first row (or going in the opposite way).
 - c.** For the third row, students should lay 2 planks flat so that they are parallel to the first row (or going in the same direction).
 - d.** Continue in this same pattern until all of the planks are used. (Or you may choose an amount to stop with, such as 20 planks.)
 - e.** Ask students to gently collapse their structure and return planks to the storage container.
- 3.** Demonstrate to the class how to build with KEVA planks on edge (*see Basic Instructions for Building*).
 - a.** Tell the class to lay 2 planks on edge so that they are parallel to one another (or going in the same direction).
 - b.** Next have them lay 2 more planks on edge, on top of the first 2. These should be perpendicular to the first row (or going in the opposite way).
 - c.** For the third row, students should lay 2 planks on edge so that they are parallel to the first row (or going in the same direction).
 - d.** Continue in the same pattern until all of the planks are used.
 - e.** Ask students to gently collapse their structure and return planks to the storage container.



- 4.** This time start with 2 planks flat, parallel to one another.
 - a.** For row #2, place 2 planks on edge that are perpendicular to the first row.
 - b.** Guide the class through several layers, alternating rows laid flat with rows on edge. Then allow them to continue on their own.
- 5.** For this tower, begin with 2 planks flat, parallel to each other.
 - a.** Row #2: 2 planks laid flat, perpendicular to row #1
 - b.** Row #3: 2 planks on edge, perpendicular to row #2
 - c.** Row #4: 2 planks on edge, perpendicular to row #3
 - d.** Guide the class through several layers of two flat rows then two edge rows. Then allow them to continue on their own.
- 6.** If students are able to build on end, you may create more complicated combinations of directions. You may also use a triangle, hexagon or octagon as a base for older students, but more planks will be needed for each student.