

KOHL'S
**Design
It! Lab**

QUARTER FOUR

DESIGN IT!

step 1
IDEATION

step 2
GRAB YOUR MATERIALS

step 3
MAKE A PROTOTYPE!

VISIT [DISCOVERYWORLD.ORG](https://discoveryworld.org) FOR MORE INFO
USE [#KOHLSDesignITLab](https://twitter.com/KOHLSDesignITLab) TO SHARE YOUR PROJECTS!

OCTOBER: PUZZLING DESIGNS

ALL AGES 15-20 MINUTES



We are practicing our puzzle designing skills this month in the lab! Come design your very own custom puzzle and learn about puzzle making techniques.

HISTORY OF PUZZLES

Jigsaw Puzzles were invented in 1760 by John Spilsbury, a mapmaker from London, England. Each wooden piece of the puzzle was a country that would make up a larger world map. It was an educational tool that helped kids learn geography.

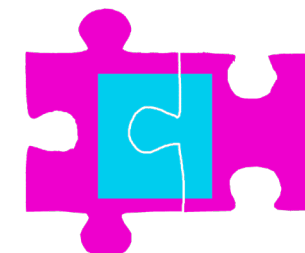
In 1900, the first cardboard puzzles appeared. This material made puzzles more affordable and helped them become a staple pastime around the world



HOW PUZZLES ARE MADE

Most modern jigsaw puzzles are die cut and punched out on a hydraulic press. Think of it like a giant superpowered cookie cutter!

PUZZLING ART



Puzzle art can range from famous paintings to random geometric shapes. It can really be anything.

Drawings that overlap your puzzle cuts could help your puzzle builder by identifying connecting pieces by their shared colors.

KNOWING YOUR BUILDER

When making Puzzles, it's important to know what age range you are designing for? Making a Puzzle for a baby? Larger, softer and rounder materials and design will be easier for little learners.

QUESTIONS TO ASK YOURSELF

- Is my design easily identifiable?
- Do my drawings overlap the cuts of my Puzzle?
- Do I have enough variation in my imagery?
- What age range would this Puzzle be good for?

