



Video Link: [Homemade Chess Board and Pieces](#)

Lesson#: **Title:** Homemade Chess Board and Pieces

Date: 7/23 **Time of Day:** 10:00-12:00 pm

Artist: Peter Li

Material/Prep: 6 or more pieces of 10.5 x 8 inch white paper, coloring utensils (color pencils, or markers, or permanent ink pens, or crayons), scissors, tape, a ruler, 32 paper clips, and a glue stick.

Introduction/Goal: This project is meant to be something creative and fun while building a person's knowledge of chess. You can go at your own pace while making the board and pieces. The colors, shapes, and themes are for you to decide. Have fun in creating imaginary characters and setting for the chess board. At the end you should have 32 pieces and one chess board.

Activity: Part 1:

First: Begin by gluing 2 pieces of paper together and taping the backs of the pieces of paper to secure it. (Make sure the pieces of paper form a large piece of paper.)

Second: Cut a piece of paper in half and glue each of them on the front onto the large piece of paper you made before in an L formation. Remember to tape the back to secure the paper. (Making sure the pieces of paper form a large piece of paper.)

Third: Using your ruler, place it down in the paper and mark a corner at 11 inches, and move your ruler on that corner, and repeat until you have made a square shape with the corners. (Each corner should be 11 inches apart horizontally and vertically, so make sure you have enough room on the paper.)

Forth: Using your ruler, make a small indicator every 1.5 inches (both horizontally and vertically). Then draw a straight line on each indicator. **Remember a chess board is an 8 x 8, meaning there should be 8 rows and columns!**

Fifth: After finishing your chess board you can outline it (if you didn't do so already) and pick 2 colors to fill in the spaces on the chess board. **Make sure you have two distinguishable colors (not different shades of one color).** You may have different shapes or patterns for each color. **If you are not sure how a chess board pattern should look like, I would recommend looking at one for reference (either using online resources or a real life chess board).**

Part 2:

First: Think of a theme you want to have for your chess board. For example: (orcs vs humans, ninjas vs samurais, etc). **Remember in Chess there are: 8 Pawns, 2 Rooks, 2 Bishops, 2 Knights, 1 Queen, and a King for each team and you will have to do this twice for both teams (meaning you will have to make all of these pieces twice). Also remember there are two different teams, so don't do the same characters for both teams. You need a distinguishing factor between the two teams; ie: one team is orcs and the other team is humans.** Similarity is key for making your pieces for characters in the same team.

Second: Once deciding on your theme, you can begin drawing your characters on white paper. **Remember that the characters should each be on white paper that is about 2¾ inches wide and 3¼ inches tall.**

Third: After you are done drawing all your characters, cut them out. When you're finished cutting them out you can fold it into a cylinder shape around your finger, pen, or marker, etc. Then tape the piece of paper along with the paper clip. You repeat this process until there aren't any more characters needing to be taped and paper clipped.

Finished: After all of this then you're finished with your chess board.

Vocabulary: Names of chess pieces (Pawns, Rooks, Bishops, Knights, Queen, King); cylinder, horizontally, vertically, and indicator.

Closing: Showing what chess board each person created and sharing what type of characters did everyone create.

Successes: Playable and very creative.

Challenges: Time consuming or some students may have a lack of knowledge of what is chess and how to play it.

CA State Standard(s): PK.VA:Cr2.1, K.VA:Cr3, 2.VA:Cn10

Relevant Artist(s) and Distinguished People: Ludwig Ahgren