

# Board Games

Laser cut and etched

**Objective:** Students will create original board games using a laser cutter.

## Directions:

1. Sketch game ideas and designs in sketchbook
2. Prototype game in cardboard (start with a 3D box)
3. Design logos and game name (for outside of box) in sketchbook
4. Disassemble box and check size in laser bed to see if it will fit/cut
5. Go to <http://boxdesigner.connectionlab.org/> , download and save PDF generated
6. Import PDF into Illustrator and reorganize box shapes to fit 24 by 12 surface area
7. In illustrator change line line weight (stroke) to .033 for all lines to be CUT (box edges)
8. In Illustrator import/design game box cover art. Final version should be placed on box cover and will be laser ETCHED. Black and white image/text only.
9. Save as an adobe pdf to jump drive and load into laser cutter software.
10. Cut box and assemble
11. paint/ decorate inside gameboard as needed (outside of box will remain unpainted)
12. Design and create any game accessories (spinners, etc)

## Grading Criteria:

- Originality
- Design work/ placement of words
- Game theme
- Craftsmanship
- Playability

**Website:** All finished games will be documented and turned in on student websites in addition to being turned in in person.