

# Cardboard Lamp



# Objectives

- Learn about design process
- Exercise creativity to produce a usable product
- Gain hands-on experience in fabricating with cardboard

# Timeline

## **Session 1**

- Plan and Sketch

## **Session 2**

- Dimensions

## **Session 3**

- Cut and test assembly

## **Session 4**

- Final assembly with electronics

## **Session 5**

- Final touch-ups

## **Session 6**

- Presentation

# Session 1

- Research on lamp design
- Plan and Sketch

# Decorative vs Practical

Lamps can be decorative...

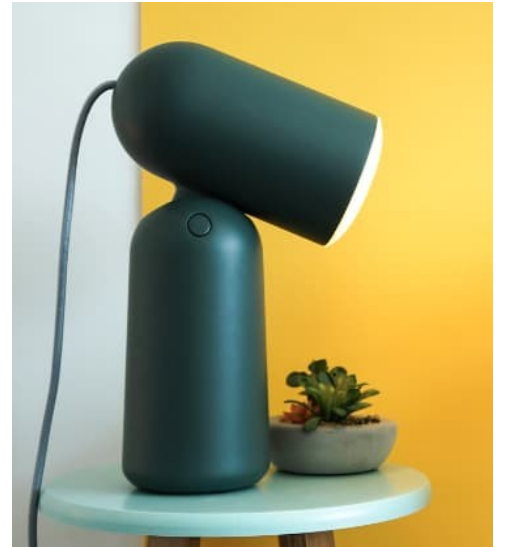


...or practical



# Decorative vs Practical

Sometimes a little of both...



What do you want your lamp to be?

# Research on Lamp Design

- Search online for interesting lamp designs
- Pick a few that inspires you, and add them to your worksheet.
- Need not be cardboard designs



# Research

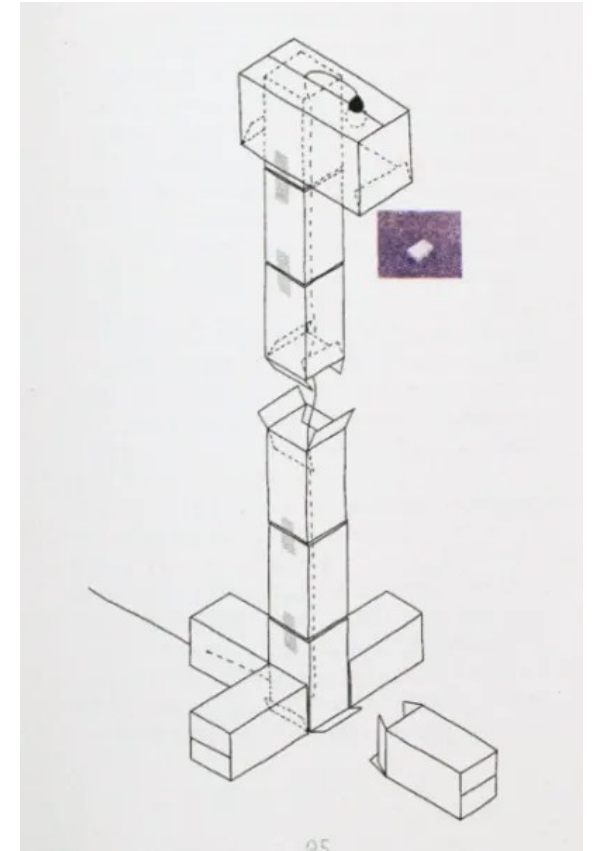
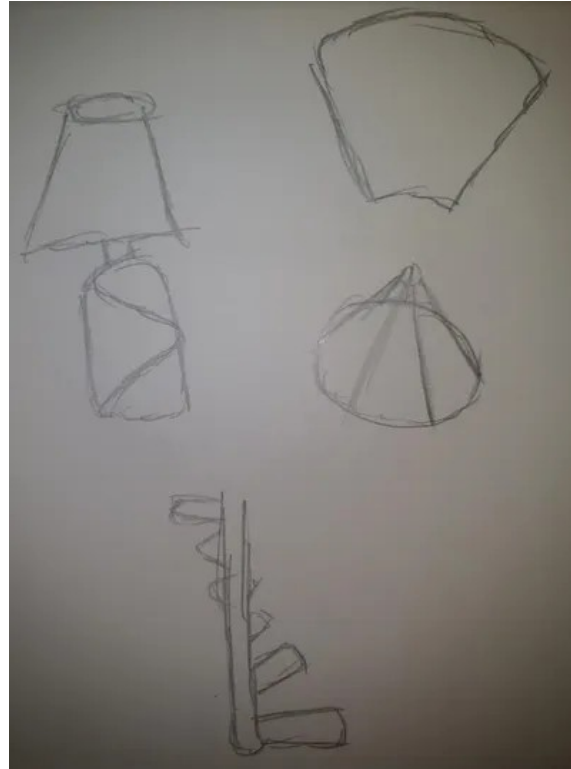
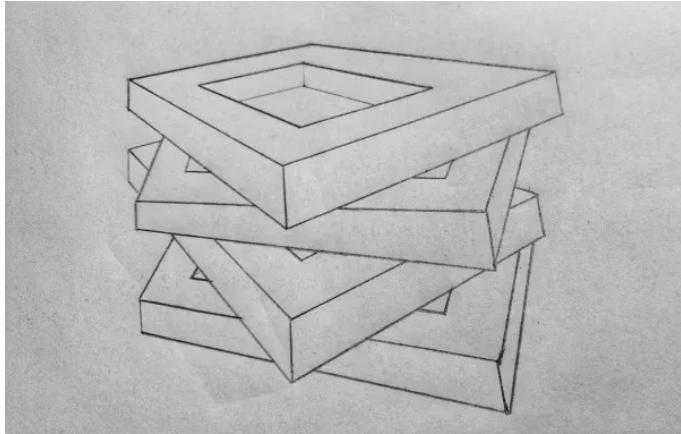
- Pick at least 3 designs that inspires you and add them to your worksheet
- Worksheet at **[a9i.sg/smm\\_g8](https://a9i.sg/smm_g8)**



# Plan and Sketch

- Plan how you want your lamp to look like
- What are the limitations when using cardboard?
- Ambitious and complex designs are great! ...but note that our time is very limited

# Sample sketches



# Sketch

- Spend the remaining time planning and sketching your design
- You can have more than one sketch, but you'll need to pick one to build
- Consider the limitations (...and possibilities) of your medium (cardboard)