

# MATERIAL SOURCING - PROJECT 3



HIGH TENSILE NYLON  
FABRICS 30FT

## Where do they come from?:

- Chemical man made process of polymerizing

## Process of Manufacturing?:

- Polyamide
- Chemical reaction between acids and amine split into groups
- Nylon result is the number of carbon atoms splitting the acid and amine groups
- Compound is dried and heated to eliminate water and extract a polymer

## Are they recyclable?:

Yes but few recycling depots will accept nylon. Very reusable for other products.

## Where does it go after use?:

I will give my fabric to a clothing recycle bin for other fashion students to make use of in new designs for repurposing.



WOOD  
(BLOCKS & DOWLING)

## Where do they come from?:

- Trees

## Process of Manufacturing?:

- Deforestation
- Saw mill
- Treatment Plant
- Lumber Yard
- Stores

## Are they recyclable?:

- Yes
- Wood of any size can be reused in many different ways from creating tables to chairs to decorations etc.
- Wood chips and small fragments can also be put in the biodegradable bin because it is a natural material and part of the earth.

## Where does it go after use?:

For this project I will put my wood into the reuse bin to be repurposed into someone else's project, extending its life cycle.



ALUMINIUM RODS  
20FT

## Where do they come from?:

- Earths Mantle
- Mines
- Refineries

## Process of Manufacturing?:

- Mining
- Refineries
- Factory to be:
  - Extruded
  - Rolled
  - Coiled
- Direct Molten Aluminium Casting
- Final Machining
- Stores

## Are they recyclable?:

- Yes, aluminum is highly recyclable and is often heated and melted down then reshaped into a variety of other products.

## Where does it go after use?:

I will put these rods into the metal recycling because they will be bent and unlike original condition.