

# BIRD HOUSE project

**GOAL:** Produce a Bird House that can be completely functional.

**HOW:** Work in groups of 2, use basswood or balsa wood(provided by teacher), and minimum 1 other recycled material to produce your team “house”. Each of your materials will have a cost associated with them and you will need to provide a cost estimate(based on real world materials...)of your bird house before any construction commences.

**OUTPUT** (to be turned in for grade):

1. Produce a **floor plan** with dimensions-approved by teacher. Creativity in design and a neatly crafted floor plan drawing with proper line weights will be a consideration.
2. Create a **framing floor plan** which must be illustrate standard 2x4 wood framing conventions
3. Produce a final sketch of all **framing elevations** with dimensions-approved by teacher. Your framing must comply with standard framing conventions discussed in class.
4. Produce a final sketch of all **finished exterior elevations**.
5. Produce a detailed **cost estimate** of your project(teacher will provide a cost estimate template)
6. Produce structurally stable, neatly crafted, **habitable(by bird) house**.
7. Take **3 photos** of finished product and place on each team member’s portfolio website

**TIMLINE:** 1 day to design, 2-3 days to draw, 1 day for a cost estimate, and 1 week to build

**RESTRICTIONS:**

1. max birdhouse size 1’x1’x1’(this is huge...think about materials allotted)
2. Scale to use: 1”=1’-0”, the scaled building can’t exceed 12’x12’x12’ (see teacher if you do not understand)
3. Material allotments will have limitations to be discussed further in class. If you need more material than the teacher provides, then you will have to provide it or “purchase” it.