Team Minor, Week of June 14, 2015 #3: Raising Permaculture Plants from Seeds (Part 2 of 2)

(Review from Previous Post) Most of the permaculture garden plants can be purchased as established plants. The following plants need to be raised from seeds:

- Black Oil Sunflower (20)
- Artemesia (20)
- Purple Millet (12)
- Turmeric (20)
- Cicoria (20)
- Arachis (12)
- Dietes (4)
- Neem (12)
- Hyacinth Bean (20)

God would like human-like bot children ages 12 and older to participate in this project. Thirty (pre-teens and teens) will be needed. One wood and one yarn craft will be used to create planters for the young plants (see details in previous post).

Woodworking projects will take place outdoors at Rec #3 and yarn projects will take place indoors at Rec #3. Note: This is a beginner woodworking project that will not require professional equipment.

Team 20 needs to dowse which 30 people will work on this project:

- 15 children on woodworking projects (and 2 adults)
  - 15 wood planters made from paint sticks
  - 6 plant stands to support these planters
  - 2 wood trellis for hanging yarn projects
  - Wood trellises for the permaculture garden:
    - Hyacinth beans (8 trellises)
    - Edelweiss grapes (4 trellises)
    - Tara Scuppernong grapes (4 trellises)
    - Kiwi (4 trellises)
- 15 children on yarn projects (and 2 adults)

Pergola Sections For Permaculture Trellises (at Rec#3 if Sheds are not ready)
The photos in this document contain pergola sections that are used as trellises. These structures dowsed a “Yes” for the trellises needed for the permaculture garden.

Julian, the blogger who provides free plans for a 3-tier plant stand, also has plans for a garden pergola. His pergola is a 4-sided structure. When you compare the photos that dowsed a “Yes” to Julian’s plans, it will be obvious which section will be needed to build the permaculture trellises.
Trellis that dowsed a “Yes.”

God wants the trellises to weather naturally like the trellises in this photo.
Julian’s plans can be found at: http://myoutdoorplans.com/pergola/patio-pergola-plans/

This project can be covered in a class at Walmart. Equipment that is needed (beyond the equipment in the Sample Class #5 list) includes:

**Equipment and Materials List** (sold by Walmart)
- KC Professional 90112 12' Monster Tape Measure
- Lusterleaf Rapiclip Plant Twist Tie (Set of 12)
- Anchor Brand Magnetic Torpedo Level, 9" Long, Aluminum, Tri-Vial
- Black & Decker 1/4 Sheet Finisher Sander, FS540
- U08305.037.0700 Carriage Bolt, Zinc, 3/8-16x7 L, Pk10 (See: 8 pieces of 7” carriage bolts **CARRIAGE BOLTS** in Julian’s plans)
- 2XB19 Deck Screw, Flat Head, #10 x 4 In, PK 230 (See: 100 pieces of 4” long **SCREWS** in Julian’s plans and the A-Frame Trellis project)
- SAKRETE 65200511 Crack Resistant Concrete Mix, Pail, 50 lb. G7495126
- Usp Lumber 4" x 4" Wet Post Anchor (See: “Footings” in Julian’s plans)
- USP Lumber WE44 4” x 4” Wet Post Anchor (See: “Footings” in Julian’s plans)
- 3/8x3 Hex Lag Screw 230089 (See: “Footings” in Julian’s plans)
- (Option) Black & Decker 5.5A EVS Scrolling/Orbital Combination Jigsaw, JS700K (depending on the skill level of the instructor, a jigsaw can be used to cut decorative ends See: Julian’s notes and dowse this).

**Materials List** (not sold by Walmart)
- 4 pieces of 4×4 lumber 96” long **WOODEN POSTS**
- 4 pieces of 2×6 lumber 164” long **SUPPORT BEAMS**
- 4 pieces of 2×6 lumber 167” long **SHADING ELEMENTS**
- 4 pieces of 2×2 lumber 155” long **SLATS**
- 4 pieces of 2×6 lumber 32” long, cut at 45° at both ends **BRACES**

**Note:** Walmart can promote the sale of their merchandise (and classes) with a sign in the permaculture garden. See: http://articles.x10.mx/walmart_pompano_permaculture_demonstration_garden_2.pdf

It would be a good idea for the sign to say “ask for a list of classes at the coffee shop.”