



### ***Sprout House! (May take a week to sprout)***

#### **Supplies:**

- 4 plain sponges (per girl)
- scissors
- toothpicks
- hot glue gun {optional but makes construction quick}
- plate
- seeds {wheat berries, chia, or alfalfa seeds sprout quickly}

#### **Directions:**

1. Select the base – one whole sponge and place on the plate
2. Cut two sponges in half
3. Cut one of those  $\frac{1}{2}$  sponges in half again.
4. You should have two long ( $\frac{1}{2}$  sponge walls) and two short ( $\frac{1}{4}$  sponge walls). These are your 4 walls to place on the base
5. Cut the final sponge in  $\frac{1}{2}$  - this is your peaked roof
6. Use toothpicks to hold the structure together.
7. Once the house is complete, add the seeds – girls may choose to place different types in different places on their house, should the lawn be sprouts or chia?
8. Pour water onto the plate and allow the sponges to absorb it. Girls can also mist their houses once at home.
9. Place in a bright place at home.
10. The house will sprout! Roots will be visible growing in the sponges!

#### **STE(A)M Subject(s):**

Engineering (design, building), Math (fractions), and Science

#### **Related Badge(s) or Journey(s):**

(B) Outdoor Art (J) Gardner

#### **Additional Resources:**

DIY Grass House: <http://wonderfuldiy.com/wonderful-diy-little-grass-house/>

Seed Cycle: <http://www.gardeningknowhow.com/special/children/basic-plant-life-cycle-and-the-life-cycle-of-a-flowering-plant.htm>

Fractions: <http://www.coolmath4kids.com/fractions/index.html>

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