

## Chapter 1

10 popsicle sticks  
3 feet of thin wire (jewelry wire works wells)  
9V battery  
Hot glue gun and hot glue  
Wire snips  
Small plant or fruit (optional)

### Unit 1

Protractor  
Lawn mower or small piece of equipment  
Broke down mower or small engine (optional)

## Chapter 2

Quail incubation page

### Unit 3

Eggs  
Whole milk or half and half  
Sugar  
Salt  
Vanilla  
Nutmeg

## Chapter 3

Compost container or container with lid and ventilation  
4 cups compost material  
1 cup compost material  
Water  
Trowel

### Unit 7

Mason jar and lid (or another glass jar)  
Water  
Soil from the growing area  
Ruler (*with the metric system because it makes your math easier*)  
Calculator or the ability to do long division  
Soil texture chart

### Unit 8

Pea Seeds  
Paper towels

## Chapter 4

1 small roll of  $\frac{1}{4}$  in irrigation drip line  
(2)  $\frac{1}{4}$  in. in-line drippers  
(2)  $\frac{1}{4}$  in barbed tee connectors  
2 red solo plastic cups  
Hot glue gun and glue  
2 small pots (Optional)  
Soil and seeds (Optional)

### Unit 10

1/2 Sliced Lemon  
3/4 Raw Honey  
Processed Honey  
Local Honey

## Chapter 5

Glass jar  
Flour  
Water  
Salt  
Dutch Oven  
Whisk  
Sharp Blade  
Parchment Paper  
Cooling Rack

### Unit 11

A microwave, preferably one with a turntable.  
A microwave-safe plate or pan  
A gram scale accurate to at least 1.0 gram  
A grass sample that was either freshly cut or was cut within a few days.

### Unit 12

3 yellow sponges  
Ziplock bag  
Plastic wrap  
Freezer or parchment paper  
Masking tape  
Vacuum sealer and bags (optional)  
Large bowl or plastic container  
Blue food coloring  
Old towel (or one you do not mind coloring)  
Pint mason jar  
English cucumber  
1/2 water  
1/2 vinegar  
1 TBS kosher salt  
1 TBS peppercorns  
3 Cloves garlic  
1-2 Sprigs fresh dill

### Unit 13

1 cup all-purpose flour  
1 cup yellow cornmeal  
 $\frac{1}{2}$  cup granulated sugar  
1 teaspoon salt  
3  $\frac{1}{2}$  teaspoons baking powder  
 $\frac{1}{2}$  cup neutral oil or melted butter  
1 large egg  
1 cup milk  
3 family-sized black tea bags (or 12 individual tea bags)  
1 cup granulated sugar  
Ice  
Fresh mint leaves or lemon slices (optional)  
1 pound hamburger  
Salt  
Pepper  
Garlic Powder  
Hamburger Buns  
Cheese Slices  
Favorite Condiments  
Ingredients for a home-cooked meal from lesson 8

## Chapter 6

Non-potable water source (ex. river, stream, spring, lake)  
Life Straw  
Water purification tablets  
(3) 32-ounce water bottles  
4 zip lock bags  
4 rubber bands  
Metal pot  
Fire source  
Small piece of cloth or tea towel  
Electrolyte mix (optional)

### Unit 14

3 TBSP Coconut Oil  
1-2 TBSP Baking Soda  
10-15 Drops Peppermint Essential Oil  
1 TBSP Xylitol (ground in food processor till fine for easier dissolving)  
3 cups all-purpose flour  
2-3 teaspoon kosher salt  
1/2 teaspoon dry yeast (active dry or highly active dry work best)  
1 1/2 cups lukewarm water  
Dutch Oven  
Parchment Paper

### Unit 15

State hunting and fishing regulations  
Compass  
US forest service map

## Chapter 7

$\frac{1}{2}$  oz of lavender  
1 cup of almond oil

### Unit 16

Pack of fresh roasting herbs  
5 peppermint leaves  
1 tsp honey or stevia leaf  
3 oz lavender-infused oil from chapter 7 project  
0.50 oz beeswax  
20 oz essential oil (optional lavender and chamomile are good options)  
4 cups raw apple cider vinegar  
20 drops rosemary essential oil  
20 drops basil essential oil  
20 drops peppermint essential oil  
2 tablespoons liquid oil (olive oil, canola oil, or mineral oil will work)  
1 tablespoon dish soap

## Chapter 8

Paper  
Pencil  
Calculator  
Data from homestead planner workbook