



## 2023 Sacramento County Fair May 25 – 29, 2023 Farm Garden In A Wheelbarrow

Thank you for choosing to participate in the Sacramento County Fair Farm Garden In A Wheelbarrow Program. This program is designed to educate young children, grades Pre-K to 6th where their food comes from and how it grows. The goal is to reach as many students as possible and educate them on the importance of agriculture and that their food doesn't just come from the grocery store, through a fun hands-on science based curriculum.

### Materials:

1. A wheelbarrow
2. 1 bag of Soil
3. Seeds to grow: Green Romaine Lettuce, Carrots, Watermelon Radishes and Beets.  
(The ingredients of a salad)
4. This informational packet contains plans and tips for planting, as well as a listing of links to grade appropriate teaching resources.
5. Display Board Tri-Fold
6. Binder Any size (supplied by your class)

With these items you now have a complete unit and hands-on activity for you and your students to learn from and enjoy.

### Planting your Wheelbarrow Salad Garden

#### Seeds and Planting Dates:

Carrots - Danvers 126 (73 Days)	Plant by: March 9, 2023
Green Romaine Lettuce (70 Days)	Plant by: March 12, 2023
Beets - Detroit Dark Red (60 Days)	Plant by: March 22, 2023
Watermelon Radishes (30 Days)	Plant by: April 21, 2023

#### Planting Tips:

1. Plan the layout of your garden. Take into account the square footage of area that you have for your crops to grow. Remember that carrots are a root vegetable and will need subterranean room to grow.
2. Assemble your wheelbarrow, if not already done. First drill a few holes in the bottom of the wheelbarrow to allow excess water to drain.
3. Place a layer of paper towels, newspaper, or coffee filters in the bottom of the wheelbarrow to cover the holes. You need to create a filter so that water runs out but not the soil. Fill the wheelbarrow with the good planting mix up to 2 inches from the top. Do not pack the soil tightly. Giving the roots space to grow is essential.

4. Water the planting mix and let it stand until water is completely absorbed.
5. Make 3 rows, about ½ inch deep in the area that you plan to plant a specific crop of seeds. Drop several seeds a few inches apart in the furrows. Pinch the soil to cover the seeds.
6. Set your container in a sunny place. Keep the soil moist.
7. When lettuce seedlings are about 3 inches high, choose 6 of the sturdiest and thin out carefully, with equal space between the seedlings. Evaluate all crop seeds for thinning out.

### **Display Board Rules:**

1. Your display must include your wheelbarrow, a tri-fold board with photos and information about your project, and your class display of learning.
2. Your tri-fold board cannot be extended in any way, and information can only be displayed on one side. Board must include the name of your school, grade level and teacher's name.
3. You must provide a binder (any size you wish), containing documentation and photos of the progress of your Farm Garden In a Wheelbarrow. Your display of learning is to be a journal assignment from one of your lessons or activities. Journal must include some form of writing assignment and a picture. Teachers with students in the pre K to Kindergarten grade level can use photo journals if necessary. Journals must be together in a binder. \*\*Assignments should be placed in protective sheets to keep them neat and clean.
4. ALL work should be done by STUDENTS. Teachers can assist when necessary.
5. Your wheelbarrow should be decorated to the fair theme "Let Eat, Have Fun and Celebrate the Red, White and Blue.
6. Student's names must be attached to the handle(s) of your wheelbarrow. Be creative!
7. If not continuing in the program in 2023, please make arrangements to return your wheelbarrow to the Sacramento County Fair. Or let us know at drop off that you will not be returning to pick it up.

### **Presentation Board Outline**

- ◆ Must include class name or group name and grade.
  - ◆ Must include number of students involved.
  - ◆ Must include use of Fair Theme.
  - ◆ Must include Report of Data Conclusions  
ie: graphs, charts, visuals, report text, etc...

### **Delivery of Wheelbarrows**

All wheelbarrows **must** be delivered to the Sacramento County Fair by Sunday, May 21, 2023 between the hours of 8 am and 11 am. You will enter through Gate 12 off of Ethan Way, and drop off at Building C. There will be a sign to tell you where to turn.

### **Judging & Awards**

Exhibits are judged based on evidence of education and ribbons are awarded to the top three entries. Ribbons will be distributed directly to the winning classroom.

## Judging Scorecard - Entries will be judged on Tuesday, May 23, 2023.

Appearance/Presentation	30%
Use of Fair Theme...Are the theme colors involved?	
Does the wheelbarrow have components from the fair poster?	
Does it include class name and grade and number of students?	
Evidence of Learning	30%
Report of Data Conclusions...Growth Chart	
Summary Conclusions from each student	
Photos or graphics of student hands on learning	
Plant Growth	30%
Gardening Results...Measure of growth from beginning to end	
Photos or graphic of growth	
WOW Factor	10%
Make your wheelbarrow stand out from the crowd	

## Class Breakdown of Grade Level Divisions for Judging and Awards

Pre-School  
Kindergarten  
1<sup>st</sup> Grade  
2<sup>nd</sup> Grade  
3<sup>rd</sup> Grade  
4<sup>th</sup> Grade  
5<sup>th</sup> Grade  
6<sup>th</sup> Grade  
4-H Club  
Special Ed  
Girl Scouts

Ribbons to be awarded for 1<sup>st</sup> – 3<sup>rd</sup> Place in each division.  
Best of Show will be Awarded.

Gardens are returned to the classroom and then harvested by the students so the students can sample the results of their labor, and celebrate with a fresh salad!

*Your wheelbarrow garden will be well watered the day before the fair opens.*

*You may pick up your wheelbarrow at the end of the fair on*

***Monday, May 29, 2023 from 7:00 p.m. – 9 p.m.***

*If you plan to return next year, you are welcome to keep your wheelbarrow for next year.*

***Wheelbarrows (decorations included) will be emptied, and project supplies will be thrown out, if not picked up by Friday June 2<sup>nd</sup>.***

Master Gardner:

**William Maynard - [wmaynard@cityofsacramento.org](mailto:wmaynard@cityofsacramento.org)**

# 2023 Sacramento County Fair Farm Garden In A Wheelbarrow



## Pre/Post Test - Seeds

Directions: Circle the Correct Answer.

1. Inside seeds are tiny, underdeveloped plants called
  - a) An embryo
  - b) a baby plant
  - c) eggs
2. The embryo has all the same parts as an adult plant.
  - a) Vitamins and minerals
  - b) root, stem, and leaves
  - c) fruits and vegetables
3. Seeds require three elements in order to grow into plants.
  - a) Warm weather, water and oxygen
  - b) Vitamins A, B and C
  - c) Milk, sugar and flour
4. Once a plant has leaves it is able to produce its own food through a process called
  - a) Osmosis
  - b) wilting
  - c) photosynthesis
5. Seeds contain a supply of food tha the embryo uses during the first stages of
  - a) Germination
  - b) education
  - c) life
6. Even though seeds are dry, they are living. The dryness allows them to absorb a lot of
  - a) Sunshine
  - b) soil
  - c) water
7. The seed coat is usually a dull brown color that matches the soil which protects them from
  - a) Birds and animals
  - b) young children
  - c) flies and mosquitoes
8. How deep should you plant a seed?
  - a) 1 ½" deep
  - b) 3" deep
  - c) ½" deep
9. Seeds can travel by:
  - a) Car or boat
  - b) wind and water
  - c) walking or riding a bike
10. We eat seeds to:
  - a) Nourish our bodies
  - b) to make clothing
  - c) to have knowledge

Pre Test Score\_\_\_\_\_

Post Test Score\_\_\_\_\_

% of Knowledge Gained\_\_\_\_\_

**Sacramento County Fair**  
**May 26 -30, 2023**  
**Farm Garden In A Wheelbarrow**

## **Teacher Resources**

**1. Sacramento County Master Gardeners –**

This website is a great resource for quick questions about why your plants/vegetables and provides some information about basic gardening and landscaping in Sacramento. So, if you plan to keep your wheelbarrow year-round, this website can help you and your students practicing with seeds you know will grow healthy during the seasons.

<http://ucanr.org/sites/sacmg/>

**2. California Agriculture in the Classroom –**

This website provides lesson plans by grade aligned to State Standards, handouts and demonstrations. All students do not learn in the same manner or pace, which makes this website a great asset as there are many different Lesson Plans to choose that all relatively have the same standards of learning.

<http://www.cfaitc.org/lessonplans/>

**3. My Job Depends On Ag**

For the older kids in the crowd, they might ask ‘What has this got to do with me?’ or ‘Why does this matter?’. This website demonstrates the visual day-to-day processes of how and why most jobs in California depend on Ag.

<http://www.myjobdependsonag.com/>

# **Sacramento County Fair**

**May 25 -29, 2023**  
**Farm Garden In A Wheelbarrow**

## **Teacher Evaluation Form**

Please take some time and provide us with some feedback on the Farm Garden In A Wheelbarrow program. Any information will help us to continue and improve!

1. Did you find the materials sent to you to be informative?  
Yes\_\_\_\_ No\_\_
2. Did you find the registration seminar helpful? Yes\_\_\_\_ No\_
3. Were you able to collect your materials and feel confident about the program? Yes\_\_\_\_ No\_\_\_\_
4. Did you use the educational materials and resources provided to you? Yes\_\_\_\_ No\_\_\_\_
5. Did you have any issues with the unit/lesson plans or resources? Yes\_\_\_\_ No\_\_\_\_
6. Did your students enjoy the program? Yes\_\_\_\_ No\_
7. Will you participate in this program again? Yes\_\_\_\_ No\_\_\_\_
8. Please use the rest of this document, along with the back if needed to expand on any of these questions  
or to leave any comments.

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Thank you for your participation and we hope to see you at the 2022 Sacramento County Fair!

Sacramento County Fair  
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Sacramento, Ca 95815  
(916) 263-2975  
Fax: 916-263-2973

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**Teacher's Agreement & Responsibilities**

The purpose of this agreement between the Sacramento County Fair and the above named teacher is to make clear our intentions and requirements regarding our Agricultural Literacy Program. The goal of the program is to increase Agricultural Literacy in the classroom. Our method is to develop and assemble learning “kits” that teach students about “food and fiber” through the use of hands-on, in class projects.

- ◆ Agree to return wheelbarrow, after plants are harvested and classroom enjoys salad, for re-use for program in 2024.
- ◆ Agree to have some type of protective underlay for the wheelbarrow to protect the floors at school and to assist the janitorial department in low impact issues arising from the wheelbarrow. (ie: watering leaks)
- ◆ Agree to return cumulative data on the student's scores in the pre-test and post-test areas of the lesson plan for evaluation of the knowledge the students acquired in participating in the program.
- ◆ Agrees to return the wheelbarrow to the Sacramento County Fair on Sunday, May 21, 2023. Wheelbarrows will be judged on Tuesday, May 23, 2023.
- ◆ Agrees to have fun!

Date\_\_\_\_\_ School\_\_\_\_\_

Grade\_\_\_\_\_ Teacher\_\_\_\_\_

Personal Phone Number: \_\_\_\_\_

School Phone Number: \_\_\_\_\_

Teacher's Signature\_\_\_\_\_