GP128 | Authentic Flower Gardens (Pk/50)

Name_____ Date _____

Marigold Activity Sheet

1. Sally has 4 seeds to plant in her pot. Jen has 3 seeds to plant in her pot. Draw a picture of the seeds.

How many seeds do they have all together? _____ seeds.

2. Draw a line from the word to the picture.

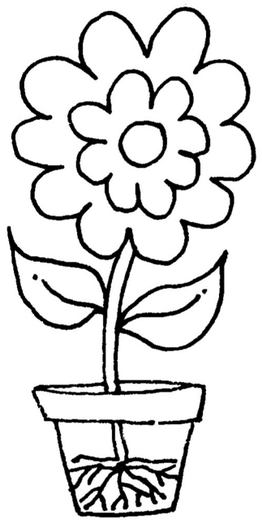
petal •

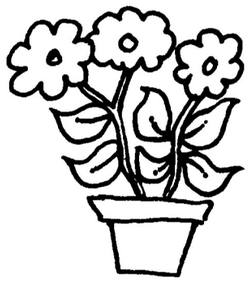
roots •

leaves •

flower •

stem •





3. Look at the picture.
Complete the sentence.

My marigold has _____ leaves.

4. Complete the sentence.

My marigold is as <u>tall</u> as a _____.

My marigold is the same <u>color</u> as a _____.

My marigold <u>smells</u> like a _____.

Reorder Number

GP128 | 2.0

S&S® Worldwide
MAKING IT EASY
to Help People Play and Learn

EduCraft®
Hands-On Learning

Project Ideas • Cross Curricular Links • Activity Sheets

Authentic Flower Gardens (Pk/50)

PLEASE READ ALL INSTRUCTIONS BEFORE STARTING

YOUR KIT CONTAINS:
- Plastic Pots
- Soil Pellets
- Marigold Seeds
- Acrylic Paint
- Paint Brushes
- Teaching Guide with Complete Instructions

YOU WILL NEED:
- Spoons
- Ruler
- Scissors
- Plastic Wrap
- Rubber Bands
- Water
- Large Pan or Pail

AGE GROUP: 4 and up
PROJECT TIME: 45 minutes

INSTRUCTIONS:

NOTE: If you want this to be a 2 day project, have participants do Step 1 on the first day. Then follow the remainder of the instructions on the second day.

Instructor:
Place soil pellets in a large pan or pail. Expand the soil pellets by adding 1 cup of water for each pellet. Wait for expansion to occur. You may want to add more water if the soil is too dry.

Participants:
1. Paint a design on the outside of the plastic pot. Let dry completely.
2. Fill the pots 1/2 way with soil. Water soil so it is damp.
3. Plant 2 to 3 seeds 1/4 inch deep in soil.
4. Measure and cut a piece of plastic wrap about 5 x 5 inches. Place plastic wrap over the top of each pot. Secure in place with a rubber band.
5. Place pots on windowsill with partial sunlight. Remove the rubber band and plastic wrap after the seeds have begun to sprout (about 5-6 days). Keep soil moist.
6. When plants are 1 inch tall, place pots in direct sunlight. Turn pots a little each day so the flowers receive equal sunlight. Keep the soil slightly damp at all times.

Teaching Activities Inside

ARTS/WRITING

OBJECTIVE: Make leaf and petal rubbings.
SUGGESTED TIME FRAME: 30 minutes
ADDITIONAL MATERIALS: paper, crayons without paper.
PROCEDURE: Carefully remove a few leaves and marigold petals from the plant. Have the students place the leaves and/or petals in a design on the table and place the paper carefully on top. Using the side of a crayon (without the paper wrapping), gently rub over the paper. The students can use different color crayons and different petals and/or leaves to create a variety of designs. When the rubbings are completed, the children can add any other drawings to their paper. At the bottom of the paper, leave space for the students to write a sentence about their picture.

LANGUAGE ARTS

OBJECTIVE: Write a descriptive poem about flowers.
SUGGESTED TIME FRAME: 35-40 minutes
ADDITIONAL MATERIALS: writing paper
PROCEDURE: Brainstorm with the students a list of words that best describe the flower. Encourage the students to think about color, shape, and height when describing the flower. Make a list of words on the board for the students to use in their poems. The teacher may decide on a specific poetry style (for example: shape, name, limerick – a five line funny poem with lines 1, 2 and 5 rhyming and lines 3 and 4 rhyming, Haiku – three line poem with 5 syllables in the first and last line and 7 syllables in the middle line). Have the students work in groups of three or four when writing the poem. When the poem is written, make a picture illustrating the poem.

MATH

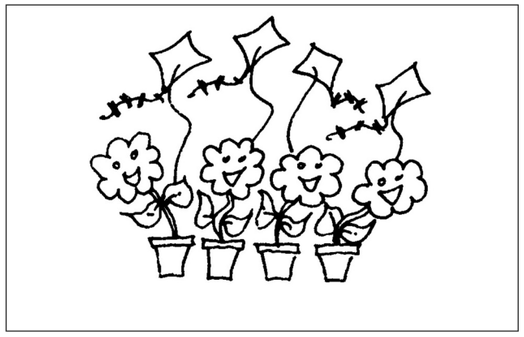
OBJECTIVE: Develop a prediction chart based on the growth of the marigold.
SUGGESTED TIME FRAME: 30 minutes
ADDITIONAL MATERIALS: paper
PROCEDURE: Brainstorm with the students to develop questions that they would like to know about the flower's growth. Some example questions could be: How many days will it take for the first leaves to grow? How many leaves will be on one flower? What color will my flower be? Have each student write these questions on a piece of paper. On the right hand side of the paper, leave space for the students to write their predictions and a space for the actual response. Have each student record their predictions then find the actual response. Some actual responses might not be able to be recorded for a few weeks.

SCIENCE/LANGUAGE ARTS

OBJECTIVE: Compare and contrast other seeds to the marigold seed.
SUGGESTED TIME FRAME: 30 minutes
ADDITIONAL MATERIALS: a variety of seeds, chart paper, writing paper, magnifying lens
PROCEDURE: Display a variety of seeds on a table or a piece of paper. It is important to get at least five or six different seeds. Seeds that are different sizes and colors are easier for the students to describe. Have the students orally describe each seed's characteristics and look through a magnifying lens. Record the students' observations on the chart paper. Have the students write descriptive paragraphs about a particular seed without saying the seed's name. When read to the class, see if the other students can identify which seed is being described.

SPELLING/WRITING

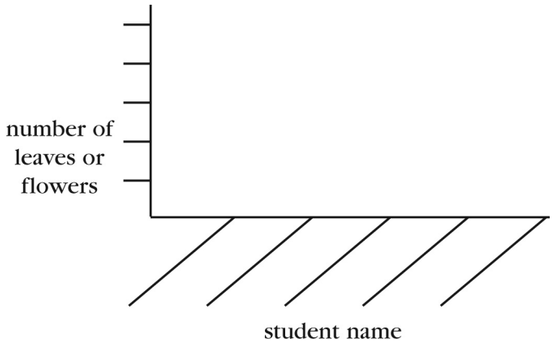
OBJECTIVE: Identify words beginning with f (flower) or m (marigold).
SUGGESTED TIME FRAME: 30 minutes
ADDITIONAL MATERIALS: chart paper, writing paper
PROCEDURE: Prior to the lesson, decide which letter (f for flower or m for marigold) the students will use. Brainstorm with the students lists of words beginning with f or m. Write the list of words on the chart paper. Encourage the students to come up with words that are nouns (people, places, and things), verbs (shows action) and adjectives (descriptive words). Have the students put words together to write silly sentences. Illustrate the sentence.



Four funny flowers were flying kites.

MATH

OBJECTIVE: Count the number of leaves in one pot and record the findings on a class graph.
SUGGESTED TIME FRAME: 20 minutes
ADDITIONAL MATERIALS: graph paper, markers
PROCEDURE: On a large piece of graph paper, draw a graph with the title: LOTS OF LEAVES and the labels "number of leaves" and "student names." Have the students carefully count the number of leaves in their pot. When recording the findings on the chart, help the students find their name and color up to the correct number. When all the students have filled in their column on the chart, they can compare which pot has the most or the least number of leaves.



ARTS

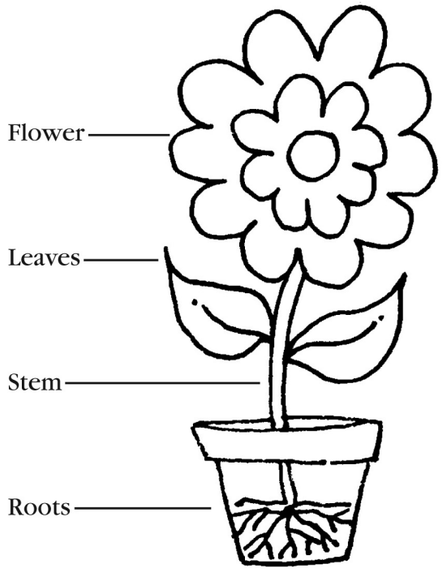
OBJECTIVE: Illustrate the growth of the flower using a variety of materials once a week for four weeks.
SUGGESTED TIME FRAME: 30 minutes (once a week for four weeks)
ADDITIONAL MATERIALS: drawing paper, crayons, colored pencils, watercolors, chalk, tissue paper, chenille stems, felt, glitter, glue
PROCEDURE: While looking at the marigolds, have the students illustrate their flower on paper using a variety of tactile materials. Have the students feel the petals and leaves to try to reproduce those textures on the paper. The illustration should be similar in size to the real flower. Label each page with the date and put the pages together to make a chronological book of the marigold's growth. A cover can be make with the title "The Growth of a Marigold."

SCIENCE

OBJECTIVE: Recognize and label the parts of a flower.
SUGGESTED TIME FRAME: 20-25 minutes
ADDITIONAL MATERIALS: diagram of flower with labels, paper, crayons
PROCEDURE: Before the lesson, make a large diagram of a flower with labels. Have the students draw a similar picture to the diagram. When finished, orally discuss the parts of the flower.

FLOWER: part of the plant that is colorful and makes new seeds.
LEAVES: flat, thin part of the plant that grows off the stem.
STEM: the main part of the flower that grows above ground and supports the leaves and the flowers.
ROOTS: grow downward from the seed in the dirt. The roots get water and food from the soil and, when strong, hold the plant in place.

Have the children label each part of their flower.



Authentic Flower Gardens
Reorder No. GP128

Call Toll-Free 1-800-243-9232
Online: ssww.com
Customer Service: 1-800-937-3482
Email: cservice@sssww.com
FAX: 1-800-566-6678