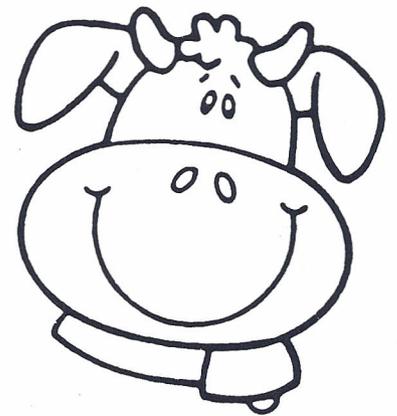
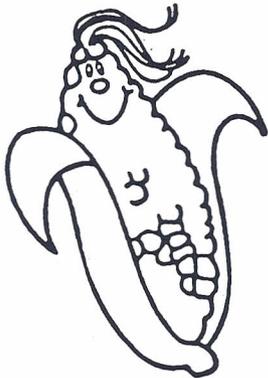




Ag
in a
Bag





Beanie Baby

Grow a soybean in a plastic bag

Materials:

Jewelry size resealable bag (found in craft section)

Crystal Soil (found in garden center)

Hole Punch

Water

Measuring spoons

Soybeans

Yarn

1. Punch a hole in the top of your bag.
 2. Place a scant 1/4 teaspoon of Crystal Soil into bag.
 3. Add one tablespoon of water.
 4. Gently push in two soybeans.
 5. Seal your bag firmly.
 6. Insert the yarn to make a necklace.
 7. Wear your Beanie Baby around your neck and under your shirt to keep it in a warm, dark place.
 8. Check your Beanie Baby several times a day for germination and record the growth.
-

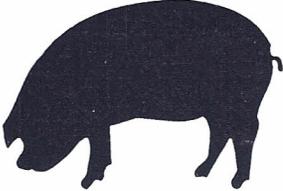
Feed Sacks

Make a bag of goodies to represent what animals eat

Pigs Materials:

- One sandwich size Ziploc® bag
- Yarn
- Blue, white, or silver candy
- Toasted Oat Cereal
- Peanuts
- Raisins
- Multi-Colored Candy
- Peanut Butter Candy

1. Copy the pig feed sack chart below and insert the paper into your Ziploc® bag.
2. Add the blue/white/silver candy, toasted oat cereal, peanuts, raisins, multi-colored candy, and peanut butter candy to the bag.
3. Tell a friend what pigs eat and how the things in your Ziploc® bag represent what pigs eat.
4. Enjoy your feed sack snack!

	Pig Feed Sack Chart	
	Pigs Need:	Represented by:
	Water	Blue, White or Silver Candy
	Carbohydrates	Toasted Oat Cereal
	Protein	Peanuts
	Minerals	Raisins
	Vitamins	Multi-Colored Candy
	Fat	Peanut Butter Candy



Horse Materials:

- One sandwich size Ziploc® bag
- Yarn
- Blue, White, or Silver Candy
- Candy Corn
- Granola
- Shredded Wheat
- Multi-colored Candy
- Toasted Oat Cereal

1. Copy the horse feed sack chart below and insert the paper into your Ziploc® bag.
2. Add the blue/white/silver candy, candy corn, granola, shredded wheat, multi-colored candy, and toasted oat cereal to the bag.
3. Tell a friend what horses eat and how the things in your Ziploc® bag represent what horses eat.
4. Enjoy your feed sack snack!

	Horse Feed Sack Chart	
	Horses Eat/Drink	Represented by:
	Water	Blue, White or Silver Candy
	Corn	Candy Corn
	Oats	Granola
	Hay	Shredded Wheat
	Sugar - Beet - Pulp	Multi-colored Candy
	Bran	Toasted Oat Cereal

Ice Cream in a Bag

An easy to make dairy treat

Ingredients:

Milk or half & half (2 oz. for each student)

Vanilla extract or chocolate syrup

Sugar (1 tsp. per student)

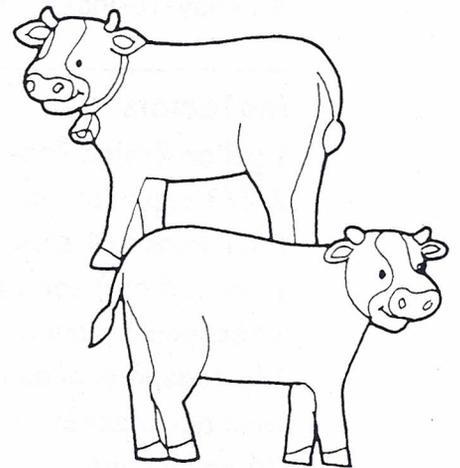
Ice

Salt

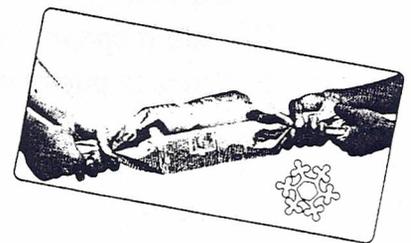
Plastic Ziploc bags (snack, quart and gallon size)

Newspapers

Spoons



1. Put 2 oz. milk, 1 tsp sugar, a dash of vanilla or $\frac{1}{2}$ tsp. of chocolate syrup in each snack size bag for each child.
2. Seal the bags and squish everything around to mix it up.
3. Place bag in quart size bag and seal.
4. Put three bags in a gallon bag and fill about halfway with ice and $\frac{3}{4}$ to 1 cup of salt.
5. Then wrap the large bag up in newspaper and twist the ends.
6. Have two students grab each end and shake the roll for about 5 minutes or until the ice cream is just right.
7. Pass out spoons and each child enjoys their own ice cream.
8. Serve plain or top with nuts and sprinkles.



The Milk Makers

Click, Clack, Moo Cows That Type

Hooray for Dairy Farming

Cows

Cows Have Calves

Gail Gibbons

Doreen Cronin

Bobbie Kalman

Peter Brady

Lynn M. Stone

Pumpkin Patch Pie

An easy-to-make, easy-to-clean-up fall recipe

Materials:

- 1 gallon Ziploc freezer bag
- 2 2/3 cups cold milk
- 2 packages (4 serving size) instant vanilla pudding mix
- 1 can (15 oz.) solid pack pumpkin
- 1 teaspoon ground cinnamon
- 1/2 teaspoon ground ginger
- Graham cracker crumbs
- 25 small cups
- scissors

1 can whipped topping

25 spoons bag.

2. Remove the air and Ziploc shut.
3. Squeeze and knead with hands until blended for 1 minute.
4. Add the pumpkin, cinnamon, and ginger.
5. Remove the air and Ziploc shut.
6. Squeeze and knead with hands until blended for 2 minutes.
1. Combine the milk and instant pudding in Ziploc
7. Place 1/2 tablespoon of graham cracker crumbs in bottom of small cups.
8. Cut corner of gallon freezer bag and squeeze pie filling into cups.
9. Garnish with whipped topping.
10. Add a spoon. Serve and enjoy.
11. Discuss pumpkin production while students are eating.

Pumpkin Pumpkin
Stubborn Pumpkin

Pumpkin Book

It's a Fruit, It's a Vegetable, It's a Pumpkin

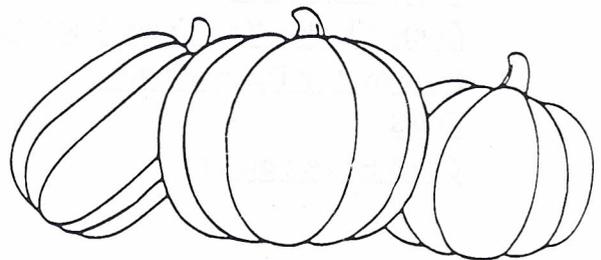
Pumpkin Circle

Jeanne Titherington

Laura Geringer

Gail Gibbons

George Levenson



Alan Fowler

Cornbread in a Bag

An easy lesson to teach children there is a direct link between food they eat and agriculture.

Materials:

- 1 cup cornmeal
- 1 cup all-purpose flour
- 4 teaspoons baking powder
- 1/2 teaspoon salt
- 2 eggs
- 1 cup milk
- 1/4 oil

1. Combine the first four ingredients in a large Ziploc bag.
2. Close the bag and mix well by working bag with fingers,
3. Add the final three ingredients.
4. Mix well by working bag with fingers.
5. Open the bag and pour mixture into a 9"x9" pan.
6. Bake at 400 degrees for 25 minutes.

Also, you might want to make homemade butter to serve with this. An easier version would be to use a package of cornbread mix .

PRODUCTION



PROCESSING



DISTRIBUTION



Bag Butterflies

Make a butterfly with a Ziploc bag.

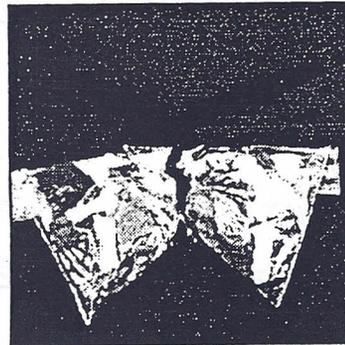
Materials:

Colored construction paper, confetti, cellophane, or tissue paper

Sandwich size Ziploc bags

Black pipe cleaners

1. Your butterfly will be made by filling a ziploc bag with colored construction paper, confetti, cellophane, or tissue paper. If you are using paper or cellophane, cut or tear it into small pieces.
2. Place the paper, cellophane, or confetti into the bag. Leave about an inch of the bag unfilled.
3. Seal the bag and fold the unfilled portion of the bag to the back of your butterfly.
4. Wrap a black pipe cleaner around the middle of your bag and twist it at the top. Shape the pipe cleaner to make it look like antennae.



Magic School Bus Butterfly and the Bog Beast Cole/Krulik
Monarch Butterfly Gail Gibbons
Butterfly House Eve Bunting
Butterfly (Life Cycle of...) Angela Royston

Mud In a Bag

Serves six

-
- 1 package (6 oz.) instant chocolate pudding mix
 - 3 cups cold milk
 - 6 whole graham crackers
 - seeds (peanuts, M & M's, sunflower seeds)
 - 6 gummy worms
 - 2 1 gallon Ziploc bags

1. Crush the graham crackers in a Ziploc bag. Set aside.
2. Combine pudding and milk in Ziploc bag. Remove air.
3. Squeeze and knead with hands until well blended about 3 minutes.
4. Cut corner off bag and pour in small cups.
5. Top with graham crackers.
6. Dig holes for seeds and gummy worms.

Carrot Seed

Oh Say Can You Seed?

The Tiny Seed

Magic School Bus Gets Planted

Magic School Bus Plants Seeds

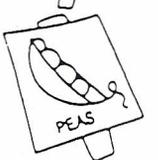
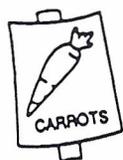
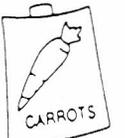
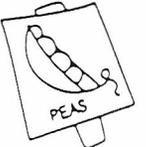
Ruth Krauss

Bonnie Worth

Eric Carle

Joanna Cole

Joanna Cole

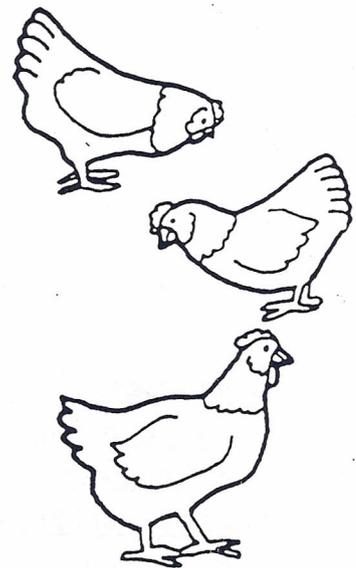


Chicken Feed In a Bag

Ingredients - (serves six)

- 1 gallon Ziploc bag
- 2 cups Cheerios
- 1 cup peanuts
- $\frac{1}{2}$ cup sunflower seeds
- $\frac{1}{2}$ cup raisins
- 1 cup M & M's

Pour all ingredients in a gallon Ziploc bag. Shake and serve in small cups



Rosie's Walk
Chicken or the Egg?
Chicken (Life Cycle of...)
Chicken Sunday
Chickens

Pat Hutchins Macmillan
Alan Fowler
Angela Royston
Patricia Polacco
Peter Brady