

Chapter by Chapter Equipment and Supply List

Equipment and Food Supplies are separated by chapters for easy purchasing and lesson preparation. Perishable food items are **bold** and will need to be purchased just prior to doing the “Scientific Inquiry” lab. Needs are based on classrooms with 34 students and assumes four students per group. You may need to adjust for more or less students. It is recommended that you read each chapter before purchasing items on this list because you may want to make recommended substitutions or adjust for you individual classroom needs.

Chapter 1: Measurement

Mathematics Investigations:

24 rulers

Fun With Food:

6 potatoes with sprouts

6 clear jars 3/4 full of water

Box of toothpicks

Chapter 2: Food Safety

Mathematics Investigations:

24 rulers

24 calculators

Fun with Food:

6 large cucumbers

3 cups white vinegar

6 tablespoons salt

6 tablespoons sugar

3 cups water

6 small covered containers

6 spoons

6 knives

6 deep bowls

6 small plates

6 weights (e.g. canned vegetables)

Chapter 3: Vegetables

Mathematics Investigations:

3 cups vinegar

3 cups water

3 cups baking soda

6 spoons

12 cans/plastic containers

12 scoops soil

Fun with Food:

6 packages of spinach seeds

Water

6 cardboard egg cartons

Neutral soil

Chapter 4: Fruits

Mathematics Investigations:

24 calculators

Fun with Food:

12 apples (Gala apples preferred)

3/4 cup light brown sugar

6 vegetable peelers

1 medium pot or deep pan

1 double burner

1 large spoon for stirring

24 spoons for tasting

Chapter 5: Milk and Cheese

Mathematics Investigations:

24 calculators

Fun with Food:

1 1/2 quarts low fat or skim milk

1/2 cup yogurt

Water

1 large pot with lid

1 burner

6 thermometers

6 spatulas

6 small bowls

6 whisks

1 cooler

6 glass jars with lids

Chapter 6: Meat, Poultry, and Fish

Mathematics Investigations:

24 rulers

24 calculators

Fun with Food:

1 large package frozen chicken nuggets

1 large package frozen chicken tenders

Microwave or oven

24 disposable plates or 6 plastic plates

6 knives

Chapter 7: Eggs

Mathematics Investigations:

6 extra large white eggs

6 medium white eggs

12 plates

6 measuring tapes

1 manual or electronic scale

6 pencils

Fun with Food:

6-12 eggs

6 cups white vinegar

6 clear jars with lids

2 burners

2 pots with lids

Chapter 8: Fats

Mathematics Investigations:

24 calculators

Fun with Food:

4 1/2 cups heavy whipping cream

6 plastic or glass jar with lids

18-24 marbles

6 bowls

Chapter by Chapter Equipment and Supply List (continued)

Chapter 9: Grains

Mathematics Investigations:

24 calculators

Fun with Food:

3/4 cup olive oil

6 cups popcorn kernels (from a jar)

Water

2 burners

2 large pots with lids

6 small bowls

6 dry measuring cups

6 measuring spoons

Chapter 10: Meal Management

Mathematics Investigations:

24 rulers

1 US map

24 calculators

Fun with Food:

6 small baking potatoes

9 tablespoons olive oil

3 teaspoons seasoned salt

Toaster oven or Oven

Baking sheet for toaster oven

6 knives

6 medium bowls

6 measuring spoons