



HOW TO MAKE BUTTER



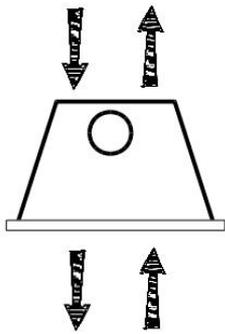
Step 1
Shake for
minutes



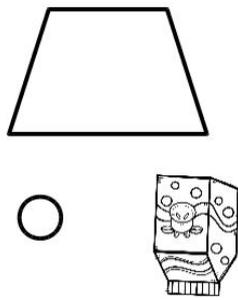
THANKSGIVING SOCIAL STUDIES & SCIENCE

MAKING BUTTER - THANKSGIVING SCIENCE

3 Step Booklet



Step 2:
Shake for about 5-8 minutes.



Step 1:
Put heavy cream and a marble into a container. Close the lid tightly!

Step 3:

Take out the extra liquid and marble. Add a little salt.

How To Make

Thanksgiving
Science



You have _____
Enjoy!

Printable Prompts 2017



MAKING BUTTER - THANKSGIVING SCIENCE

Make Observations

Name: _____ Date: _____

Thanksgiving Science Observations

I predict:

I observed:

Printable Prompts

Name: _____ Date: _____

Thanksgiving Science Observations

I predict:

--

I Observed...

Beginning

--

After 4 Minutes

--

At the End

--



MAKING BUTTER - THANKSGIVING SCIENCE

Teaching Notes

TEACHING NOTES

*You need: small containers that don't leak when you put liquid inside.
1 marble per group, heavy cream.*

I like to keep the element of surprise for the students to find out what will happen when we put milk and a marble into a container and shake it.

I have included 3 different resources to use with this activity.

3 Step Booklet-

Print once per student and fold into 4ths to make a small booklet.

Students will write their name on the front, but will not fill in the blank on the front because they don't know what the outcome will be. This is a great time to discuss their predictions about what will happen.

Step 1: I do this part for the students to make sure the lids are sealed tightly. I have them draw what the milk and marble in the container look like and I have them draw a lid on top of the container.

Step 2: I have students work in pairs or groups of three. I have them hold the container like a sandwich and shake it up and down. We switch every minute (You can have a student in charge of the timer if you'd like! When the milk becomes frothy, discuss with the students what changes they are observing.

Step 3: Students draw what they see. They write 'butter' on the bottom line. Then they can write 'butter' on the cover. If you'd like, students can sample it on a piece of bread. Then they can take the booklet home to share the recipe with their families.

Basic 4 Step Draw and Write

I give students oral directions and have them write in the steps they did and draw to show what it looked like. I usually break it up like this:

- 1- Put a marble and heavy cream into a container.
2. Put the lid on tightly
3. Shake up and down for about 8 minutes.
4. Dump out the leftover milk and take out the marble. You have butter!

You can vary the steps as you'd like!

Observation Activity:

I have 2 versions of this for students to draw/ write a prediction and then record their observations during the experiment. The 2 versions allow for you to choose how many times you'd like students to stop and record.

At the end, I like to search for images of a butter churn and explain that in colonial times, people used to churn butter by hand using a churn! This makes for a great science, social studies and writing connection!

