



Ms. Frizzle's Chocolate Birthday Cake + Experimental Shaken Cream + Berry Sauce

By Erin Fletter

Prep Time 27 / **Cook Time** 20 / **Serves** 4 - 6

Shopping List

- FRESH
- 1 orange
- 12 strawberries (1 per kid) OR raspberries
- DAIRY AND EGGS
- 2 eggs ****(see allergy subs below)****
- 1/2 C heavy whipping cream ****(see allergy subs below)****
- 1/2 C (1 stick) butter ****(see allergy subs below)****
- PANTRY
- 3/4 C all-purpose flour ****(see allergy subs below)****
- 1/4 C pure unsweetened cocoa powder ****(see allergy subs below)****
- 1/4 tsp salt
- 1 1/2 C granulated sugar
- 1 1/2 tsp pure vanilla extract, optional ****(see allergy subs below)****

Fun-Da-Mentals Kitchen Skills

bake: to cook food with dry heat, as in an oven.

cream: to mix foods together until they become a smooth, uniform blend, like butter and sugar.

measure: to calculate the specific amount of an ingredient required using a measuring tool (like

measuring cups or spoons).

sift: to pass a dry ingredient like flour or sugar through a sieve to make it lighter and more even in texture.

wet vs dry: to mix wet and dry ingredients separately before combining them: dry ingredients are flours, leavening agents, salt, and spices; wet ingredients are those that dissolve or can be dissolved (sugar, eggs, butter, oils, honey, vanilla, milk, and juices).

zest: to scrape off the outer colored part of a citrus fruit's rind (skin or peel) using a metal tool with small sharp blades, such as a zester, microplane, or the small holes of a grater (avoid the "pith," the white, spongy lining of the rind that can be bitter).

measure: to calculate the specific amount of an ingredient required using a measuring tool (like measuring cups or spoons).

seal: to close tightly, keeping filling inside.

shake: to rapidly and vigorously move a covered container filled with food up and down and side to side to combine ingredients and create a different consistency, such as shaking whipped cream to make butter.

chop: to cut something into small, rough pieces using a blade.

juice: to extract or squeeze out the juice of a fruit or vegetable, like a lemon, orange, or carrot, often cutting open or peeling the fruit or veggie first to access its flesh.

knife skills: Bear Claw (growl), Pinch, Plank, and Bridge (look out for trolls).

smash: to break up food into smaller pieces or squash food to flatten or soften it.

Equipment

- Oven
- Muffin pan
- Mixing bowls
- Zester (or grater with small zesting plate/side)
- Sieve or whisk for sifting
- Measuring cups
- Measuring spoons
- Whisk
- Glass or plastic jar + tight-fitting lid
- Mixing bowl

- Cutting board
- Kid-safe knife
- Potato masher
- Citrus squeezer (optional)

Ingredients

Swedish Sticky "Kladdkaka" (Chocolate Cake)

- 1/2 orange (for 2 tsp orange zest)
- 3/4 C all-purpose flour ****(for GLUTEN ALLERGY sub gluten-free/nut-free all-purpose flour)****
- 1/4 C pure unsweetened cocoa powder ****(for DAIRY ALLERGY check label for small amounts of dairy; for CHOCOLATE ALLERGY sub carob powder)****
- 1 pinch salt
- 2 eggs ****(for EGG ALLERGY sub 2 T ground flaxseeds + 6 T water—more info below)****
- 1 1/3 C granulated sugar
- 1/2 C very soft butter ****(for DAIRY ALLERGY substitute dairy-free/nut-free butter, like Earth Balance, OR 1/2 C melted coconut or other nut-free oil)****
- 1 tsp vanilla extract, optional ****(for GLUTEN ALLERGY use certified gluten-free pure vanilla extract, not imitation vanilla flavor—check label)****
- butter or nut-free oil for greasing pan

Sweet Shaken Cream

- 1 T granulated sugar
- 1/2 C heavy whipping cream ****(for DAIRY ALLERGY substitute dairy-free/nut-free heavy cream OR coconut cream)****
- 1/2 tsp pure vanilla extract, optional ****(for GLUTEN ALLERGY use certified gluten-free pure vanilla extract, not imitation vanilla flavor—check label)****

Smashing Strawberry Sauce

- 12 strawberries (1 per kid) or raspberries
- 1 T granulated sugar
- 1 pinch salt
- juice from 1/2 orange

Food Allergen Substitutions

Swedish Sticky "Kladdkaka" (Chocolate Cake)

Gluten/Wheat: Substitute gluten-free/nut-free all-purpose flour. Use certified gluten-free pure vanilla extract, not imitation vanilla flavor.

Chocolate: Substitute carob powder for cocoa powder.

Dairy: Check the label of the dark cocoa powder for dairy ingredients; use pure unsweetened cocoa powder. For 1/2 C butter, substitute dairy-free/nut-free butter, like Earth Balance, OR 1/2 C melted coconut or other nut-free oil.

Egg: For 2 eggs, substitute 2 T ground flaxseeds + 6 T warm water. Stir and soak flaxseeds in warm water for 5 minutes or until fully absorbed and thickened.

Sweet Shaken Cream

Dairy: Substitute dairy-free/nut-free heavy cream OR coconut cream for heavy whipping cream.

Gluten/Wheat: Use certified gluten-free pure vanilla extract, not imitation vanilla flavor.

Smashing Strawberry Sauce

Instructions

Swedish Sticky "Kladdkaka" (Chocolate Cake)

preheat + wash + zest

Preheat the oven to 350 F. Wash and zest **1 orange** and set aside.

measure + sift

In a medium mixing bowl, measure and sift together **3/4 cup flour**, **1/4 cup unsweetened cocoa powder**, and **1 pinch of salt**.

measure + cream

In a large mixing bowl, crack **2 eggs** and measure **1 1/3 cup sugar**, **1/2 cup butter**, and **1 teaspoon vanilla extract**. Add **2 teaspoons of the orange zest**. Using a whisk, cream together the wet ingredients until smooth and well combined.

mix + bake

Add the dry ingredients to the wet ingredients and mix well until no lumps remain. The batter will be thick and sticky! Add a bit of orange juice to thin it out if needed. Distribute the batter evenly into a greased muffin pan. Bake for 20 minutes until the edges are slightly crispy. Centers will still be gooey! Cool slightly,

then top with **Sweet Shaken Cream** and **Smashing Strawberry Sauce**. "Det är utsökt" (DEH ahr OOT-sohkt) or "It is delicious" in Swedish!

Sweet Shaken Cream

measure + seal

In a glass or plastic jar with a tight-fitting lid, kids can measure **1 tablespoon of sugar** with **1/2 cup heavy whipping cream** and **1/2 teaspoon vanilla extract**. Seal the jar tightly.

recipe tip

Whipped cream takes about 3 minutes of active shaking to form! Listen for a "swoosh"—this is when the consistency of the whipped cream changes and will coat the sides. Check to make sure it's thick; when it is, it's ready! Be careful not to overshake, or you'll make butter instead of whipped cream (also delicious)!

shake + shake

Pass the jar around to each child to shake the cream for 10 seconds until the cream is slightly thickened. Stop shaking the jar when you have a soft, fluffy cream!

Smashing Strawberry Sauce

chop + sprinkle

Slice off the stems of **12 strawberries** and discard stems. Chop the strawberries and add them to a mixing bowl. Sprinkle them with **1 tablespoon of sugar** and **1 pinch of salt**.

juice + smash

Squeeze the juice from **1/2 orange** over the strawberries and sugar. Using a potato masher, smash the strawberries until a smooth sauce forms. Try spooning it over **Swedish Sticky "Kladdkaka" (Chocolate Cake)** with a dollop of **Sweet Shaken Cream**!

Featured Ingredient: Chocolate + Cocoa!

Hi! I'm Chocolate!

"Hello! Let me introduce myself! I can be dark brown, light brown, or even white. I'm sometimes bitter, sometimes a little sweet, and often very sweet. I add flavor and excitement to many other foods! Have you guessed yet? I'm Chocolate! You may be familiar with me from candy bars or chocolate sundaes, but I can liven up many other foods, too, including chili, butter, and milk!"

History

The cacao (kahKOW) tree is native to equatorial South America and the rainforests of Mesoamerica. It was first used 5,300 years ago by indigenous people in South America. Mesoamericans who lived in the

rainforests of Mexico and Central America domesticated the tree about 1,500 years later. They drank chocolate as a bitter beverage—far from the sweet treat most of us are familiar with today.

The Mayan people of Central and South America used cocoa as currency and as medicine: it was very valuable, just like vanilla! In fact, it was so precious that they made counterfeit cocoa beans out of clay and avocado seeds!

The Aztec people are a nomadic tribe in Northern Mexico. When the Aztec empire began to expand, they demanded that the Mayan people pay tribute to them through gifts of cacao.

The Aztec people ruled until Spaniards arrived and conquered the land and its people. The Spanish explorers took cacao beans back to Europe, where they experimented by adding cinnamon and sugar to sweeten it. For a long time, only aristocratic people enjoyed chocolate.

Princess Maria Theresa married Louis the 16th from France and gave him chocolate as a wedding present! Demand for chocolate soon grew very fast, and as a result, people were enslaved on plantations to grow cacao to meet the high demand.

In 1847, Joseph Fry invented the first chocolate bar. By 1907, Hershey was manufacturing millions of chocolate kisses each day.

Cacao trees grow best in the rainforest underneath the branches of taller trees. However, they won't bear fruit until they are at least three to five years old.

Most early Spanish sources refer to chocolate as "cacahuatl" (cah-cah-Hwat), which translates to "cacao water."

The word chocolate comes from a combination of a Mayan word for hot, "chocol," and an Aztec word for water, "atl."

How Chocolate is Made

All chocolate comes from the beans of the cacao tree. Cacao trees produce pods containing pulp-covered seeds. Before cacao is processed, it would be hard for most of us to recognize it as chocolate! This is because the pulp-covered seeds taste bitter and raw and look nothing like the chocolate products we see in stores.

The seeds go through a process called fermentation, and then they are dried and made into nibs before being turned into chocolate.

A cacao pod contains about 30 to 50 almond-sized seeds—enough to make about seven milk chocolate candy bars!

After roasting and grinding cocoa beans, chocolate liquor is left, which is about equal parts cocoa solids and cocoa butter. After the cocoa butter is mostly extracted, the result is dry cocoa solids. Cocoa powder is the powdered form. Natural cocoa is a light brown color and tastes bitter.

Dutch chemist Coenraad van Houten created the "Dutch process" method in the early 19th century to reduce the acidity in natural cocoa powder by treating the beans with alkaline salts. As a result, Dutch process cocoa is less bitter and has a dark brown color.

How to Enjoy Cocoa & Chocolate

You can add unsweetened cocoa to milk with sugar, honey, or stevia for a delicious and warming beverage. You can also add it to smoothies for a delicious chocolaty taste and an extra hit of magnesium and polyphenols.

Chocolate comes in many forms: bars, kisses, chips, powder, shavings, puddings, syrups, and sauces. Unconventional chocolate flavor pairings: cardamom, lavender, wasabi, chili, chipotle, sea salt, lime, matcha, curry, ginger, mint, figs, fennel, sesame, parmesan, and Earl Grey tea. Seriously, what doesn't go well with chocolate?! Can you think of any other fun and delicious pairings?

Nutrition

Dark chocolate helps protect your heart, blood, and brain! To get the full health benefits of chocolate, choose at least 85% cocoa content or higher. The higher percentage makes the chocolate more bitter, but those bitter compounds, called polyphenols, are antioxidants that provide several health benefits. Many people prefer very dark chocolate!

Polyphenols help prevent heart disease by maintaining healthy blood pressure levels, keeping vessels flexible and allowing the blood in our body to flow easier (good circulation), and reducing inflammation. In addition, they help control blood sugar levels, lower cancer risk, and boost immunity. Polyphenols also promote good digestion.

Cocoa is a great source of magnesium. We need magnesium for good health! For strong bones, healthy teeth, and as a building block for proteins within the body.

Cocoa can protect our teeth?! Cacao contains antibacterial elements that fight tooth decay. However, this is true with unsweetened cocoa only, as most mass-produced chocolate has a lot of sugar. We know what sugar does to our teeth—it causes decay!

One study has shown that the smell of chocolate may actually relax you by increasing theta waves in the brain!