



## **Fearless Fishless Fish Fry + Artichoke Tartar Sauce + Mad Scientist Luminous Lemonade**

By Dylan Sabuco

**Prep Time 25 / Cook Time 10 / Serves 4 - 6**

### **Shopping List**

- FRESH
- 4 lemons
- tomato, optional
- lettuce, optional
- red onion, optional
- EGGS
- 1 egg **\*\* (see allergy subs below) \*\***
- BREAD
- 12 to 14 small buns (King's Hawaiian Rolls are best) **\*\* (see allergy subs below) \*\***
- PANTRY
- 2 14-oz cans artichoke hearts
- 1 1/2 C flour **\*\* (see allergy subs below) \*\***
- 1 T baking soda
- 1 C panko bread crumbs **\*\* (see allergy subs below) \*\***
- 2/3 C vegetable oil **\*\***
- 3/4 tsp turmeric powder
- 1/4 tsp ground paprika **\*\* (see allergy subs below) \*\***

- 1 1/4 tsp salt
- 3/4 tsp ground black pepper
- 1/2 tsp Old Bay seasoning **\*\* (see allergy subs below)\*\***
- 1/2 C mayonnaise **\*\* (see allergy subs below)\*\***
- 1/4 C pickle relish
- 1 C granulated sugar
- HAVE ON HAND
- 4 C water
- 2 C ice

## **Fun-Da-Mentals Kitchen Skills**

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

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

**fry:** to cook in a pan in a small amount of fat.

**stir:** to mix together two or more ingredients with a spoon or spatula, usually in a circle pattern, or figure eight, or in whatever direction you like!

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

**squeeze:** to firmly press or twist a food with fingers, hands, or a device to remove its liquid, like shredded potatoes, frozen and thawed spinach, or tofu.

**stir:** to mix together two or more ingredients with a spoon or spatula, usually in a circle pattern, or figure eight, or in whatever direction you like!

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

**pour:** to cause liquid, granules, or powder to stream from one container into another.

## **Equipment**

- Large skillet + lid
- Medium mixing bowl
- Cutting board

- Kid-safe knife
- Can opener
- Dry measuring cups
- Measuring spoons
- Wooden spoon or rubber spatula
- Liquid measuring cup
- Small mixing bowl
- Heat-resistant spatula
- Paper towels
- Whisk or wooden spoon
- Pitcher

## Ingredients

### Fearless Fishless Fish Fry

- 2 14-oz cans artichoke hearts
- 1 1/2 C flour **\*\*(for GLUTEN ALLERGY sub gluten-free/nut-free all-purpose flour)\*\***
- 1 tsp baking soda
- 1/4 tsp turmeric powder
- 1/4 tsp ground paprika **\*\*(Omit for NIGHTSHADE ALLERGY)\*\***
- 3/4 tsp salt, divided
- 1/2 tsp ground black pepper, divided
- 1/2 tsp Old Bay Seasoning **\*\*(Omit for NIGHTSHADE ALLERGY or sub 1/4 tsp celery salt)\*\***
- 1 squeeze lemon juice
- 1 egg **\*\*(for EGG ALLERGY sub 1 T flaxseeds + 1/4 C warm water—more info below)\*\***
- 2/3 C vegetable oil **\*\***
- 1 C panko bread crumbs **\*\*(for GLUTEN ALLERGY sub gluten-free/nut-free breadcrumbs)\*\***
- 12 to 14 small buns (King's Hawaiian Rolls are best) **\*\*(for GLUTEN ALLERGY sub gluten-free/nut-free buns)\*\***

- tomato, optional
- lettuce, optional
- red onion, optional

## Artichoke Tartar Sauce

- 1/2 C mayonnaise **\*\*(for EGG ALLERGY sub egg-free vegan mayonnaise)\*\***
- 1/4 C pickle relish **\*\*(Omit for NIGHTSHADE ALLERGY or sub 2 pickles, minced)\*\***
- 1 pinch salt
- 1 pinch ground black pepper
- 1 pinch ground paprika **\*\*(Omit for NIGHTSHADE ALLERGY)\*\***
- 1 squeeze lemon juice
- 1/4 C artichoke hearts (from 1 can artichoke hearts)

## Mad Scientist Luminous Lemonade

- 2 tsp baking soda
- 1/2 tsp turmeric powder
- 3 lemons
- 1 C granulated sugar
- 4 C water
- 2 C ice

## Food Allergen Substitutions

### Fearless Fishless Fish Fry

**Gluten/Wheat:** Substitute gluten-free/nut-free all-purpose flour. Substitute gluten-free/nut-free breadcrumbs. Substitute gluten-free/nut-free buns.

**Egg:** For 1 egg, substitute 1 T flaxseeds + 1/4 C warm water. Stir and soak flaxseeds in warm water for 5 minutes or until fully absorbed and thickened.

**Soy:** Substitute canola oil or other nut-free oil for vegetable oil.

**Nightshade:** Omit ground paprika. Omit Old Bay Seasoning or substitute 1/4 tsp celery salt.

### Artichoke Tartar Sauce

**Egg:** Substitute egg-free vegan mayonnaise.

**Nightshade:** Omit ground paprika. Omit pickle relish or substitute 2 pickles, minced, for 1/4 C pickle relish.

## Mad Scientist Luminous Lemonade

### Instructions

#### Fearless Fishless Fish Fry

##### intro

When I was growing up, my family acknowledged the Christian tradition of Lent. During this period of 40 days, my family and I would incorporate good deeds and not eating meat into our lifestyle. The last part was hard for me. I loved to eat all types of food, even as a boy, so giving up meat was difficult. My mom always surprised me with a different fish filet sandwich on Fridays after school—the small memory of getting fish sandwiches with my mom after school inspired this recipe. Today, we will create our "fish sandwich" using artichoke hearts and seasonings to trick your palate into thinking you are enjoying the real deal!

##### slice + reserve

Slice **1 lemon** in half. Reserve one half for the **Artichoke Tartar Sauce** if making.

##### chop + measure

Open, drain, and chop **2 cans of artichoke hearts**, roughly. Reserve 1/4 cup if making Artichoke Tartar Sauce. Then, place the chopped artichoke hearts into a medium mixing bowl. Next, measure and add **1 1/2 cups flour, 1 teaspoon baking soda, 1/4 teaspoon turmeric powder, 1/4 teaspoon paprika, 1/2 teaspoon salt, 1/4 teaspoon black pepper, 1/2 teaspoon Old Bay Seasoning, 1 squeeze of lemon juice**, and crack in **1 egg**. Stir to combine.

##### fry + flip

In a large skillet, heat **2/3 cup vegetable oil** over medium-high heat. In a small mixing bowl, mix **1 cup panko bread crumbs, 1 pinch of salt, and 1 pinch of black pepper**. Scoop 1/4 cup measures of the artichoke batter and roll into balls. Then, place the artichoke balls in the panko breadcrumbs and roll them around until coated. Adults, place the coated artichoke balls into the skillet and gently flatten them with a spatula. Keep the lid to the skillet nearby to protect from hot splatters. Also, be sure to keep kids at a safe distance.

##### cook + munch

Cook the fishless fried fish for 5 minutes on each side or until golden brown. Place the "fish" on a plate with a paper towel to cool for a minute, then serve in between **12 to 14 small buns** (1 or 2 per person) with

Artichoke Tartar Sauce (see recipe). If you purchased any **lettuce**, **tomato**, or **onion**, now is the time to slice them and pile as much on your sandwich as you like. Enjoy!

## Artichoke Tartar Sauce

### measure + squeeze

In a medium mixing bowl, measure **1/2 cup mayonnaise**, **1/4 cup pickle relish**, **1 pinch of salt**, **1 pinch of black pepper**, and **1 pinch of paprika**. Then, slice a lemon in half and add **1 squeeze of lemon juice** to the bowl.

### chop + stir

Chop **1/4 cup of artichoke hearts** and add them to the bowl. Stir until all the ingredients are fully combined. Serve spooned over Fearless Fishless Fish Fry (see recipe) sandwiches.

## Mad Scientist Luminous Lemonade

### intro

This drink will be a fun experiment for you and your kids! Combining baking soda and lemon juice will create a bubbly reaction, almost like sparkling water. Using this idea, let's combine lemonade, baking soda, and a bit of turmeric powder (for its yellow color and health benefits of improved blood flow and inflammation reduction) for a bubbling, mad-scientist concoction!

### slice + measure

Measure **2 teaspoons baking soda** and **1/2 teaspoon turmeric powder** into a pitcher. Then, slice **3 lemons** in half and squeeze all the juice into the pitcher and watch the bubbles go crazy!

### measure + stir

Measure **1 cup granulated sugar** and **4 cups cold water** in a liquid measuring cup or bowl. Stir the water and sugar until the sugar is fully dissolved. Then, slowly pour the water and sugar into the pitcher of fizzy, yellow lemon juice.

### pour

Divide **2 cups of ice** between all your cups. Then, pour the Mad Scientist Luminous Lemonade over the ice and drink! Cheers!

## Featured Ingredient: Artichoke!

Hi! I'm Artichoke!

"Did you know that I'm a variety of thistle? That's a flowering plant with prickly leaves. I am a little prickly on the outside, but I have a good heart! Artichoke hearts are sweet and tender and were considered a luxury at European courts in the 1600s!"

## History & Etymology

Artichokes were cultivated in ancient times. They were first mentioned in writing in Italy in the 1400s. Artichoke ancestors were most likely North African thistles or from Sicily, Italy, where they still grow wild today.

People from the Middle East were thought to have been some of the earliest groups to use artichokes as food. People began cultivating artichokes as early as the 5th century BCE.

According to Greek legend, the artichoke was created when Zeus turned the object of his affection into a thistle after being rejected by her.

Aristotle called the artichoke a "cactus," but it wasn't a case of ancient Greek botany gone wrong. Back then, the word for an artichoke—or at least its closest relative, a wild artichoke now called a "cardo"—was a "kaktos."

The domesticated artichoke is an improved version of the wild cardoon, which is smaller and more prickly. The cardoon buds were eaten but their stems were often more desirable.

Due to artichokes' great taste, they quickly became popular and by Roman times, around 70 to 80 CE, only the rich were allowed to eat them. They were forbidden to the common people.

Ancient people considered artichokes to have many benefits. Artichokes, including leaves, were considered an aphrodisiac (love potion), a diuretic, a breath freshener, and even a deodorant.

Artichokes traveled up through Italy. The Dutch introduced them to England. The French brought them to Louisiana and Italian immigrants brought them to California in the 1920s.

Marilyn Monroe was the first official California Artichoke Queen in 1948.

California is the main supplier of artichokes in the United States, and Castroville, CA calls itself the Artichoke Capital of the World. However, Italy produces many more tons of artichokes than the USA.

The Guinness World Record for the largest serving of cooked artichokes is 2535 pounds and 5 ounces (1,150 kilograms). The record was attained in Pineda de Mar, Spain, on March 17, 2018, by Pura Brasa restaurant and Jospes, S.A., a Spanish charcoal oven and grill company, at a charitable event. They chose artichokes to grill because they are popular in Spain.

The Jerusalem artichoke (*Helianthus tuberosus*), also called a sunchoke, is not really an artichoke. It is a tuber, not a thistle, from the sunflower family rather than the thistle family.

The word "artichoke" comes from the 16th century "articiocco," from the Northern Italian variant "arcioffo," from the Old Spanish "alcarchofa," from the Arabic "al-karsufa."

"Articiocco" worked its way into English, and like the Italians before them, English speakers tended to make up associations for the word. Some called it a "hartichoke," since it looked like a heart; others assumed that the "choke" part had something to do with the hard-to-breathe meaning of "choke," either because you would choke if you ate the middle of the plant, or because it grew so fast that it would choke out all the other growth around it.

## Anatomy

Globe artichokes grow on a large thistle plant that reaches 3 to 5 feet in height and spreads in diameter from 4 to 6 feet! The plant has long stems with large branches, like a Christmas tree. Some varieties have long arching spiked leaves, making them look like giant ferns. If artichokes are not picked for eating they turn into beautiful purple flowers.

About 6 to 9 artichokes grow on each plant. A single artichoke is an unopened flower bud from the thistle plant.

You first see the outer leaves or petals of the artichoke, with thorns on their tips. The base of the outer leaves are good to eat and have more flesh than the inner leaves. When the outer leaves are removed, you see the inner leaves. These do not have much edible flesh, but you can eat them.

The fuzzy part is called the "choke." It is a clump of immature flowers in the center of the bud, directly above the heart, that are inedible and must be removed before eating the artichoke heart.

The meaty part in the center (the most delicious part!) is called the "heart," which is the base of the plant's flower bud that sits on the stem. You can also eat the stems, especially the stems of younger plants.

There are many varieties of globe artichokes, including green, purple, and white. They come in baby, medium, and jumbo sizes.

### How to Pick, Buy, & Eat

Artichokes are prime for eating just before the flower starts to open.

It is best to purchase artichokes from March through May.

Select firm, plump, green globes with compact center leaves that feel heavy for their size to pick the best artichokes.

Avoid artichokes with brown or separated leaves, which means they are old and will be tough and bitter.

Store uncooked artichokes (unwashed) in an airtight plastic bag in the refrigerator. They will keep for approximately two weeks, but cooking them within a week after purchasing is best.

Cool cooked artichokes completely and cover them before putting them in the refrigerator, where they will keep for up to a week.

The thorns soften while cooking, or you can clip off the tips with kitchen scissors before cooking.

Do not cook artichokes in an aluminum pot, as the pot may turn gray.

Cooking cut artichokes in lemon water helps prevent them from turning brown.

You can cook artichokes the night before you serve them. Just reheat them in the oven or microwave before you serve, stuff, grill, or use them in another dish.

Cooked whole artichokes with leaves and hearts (discard the chokes!) are good to eat as a vegetable. Pull off a petal and dip the base into melted butter, mayonnaise, or another dip and scrape off the flesh with your teeth.

Artichoke hearts can be added to a variety of dishes. They can be purchased whole, halved, or quartered.

There are canned artichoke hearts in water, and jarred marinated artichoke hearts. Which ones you choose depends on how they are being used and what your recipe calls for.

Hot or cold, artichoke dip goes well with pita and other breads, chips, crackers, and cut veggies. Spinach artichoke dip is especially popular. Artichoke hearts make a tasty topping for pizza and a nutritious addition to salads, pasta, soups, and stews.

## Nutrition

In 2004, USDA researchers measured antioxidant levels in over 100 foods commonly consumed in the United States. The study found that beans (red kidney, pinto), cooked artichoke hearts, and russet potatoes were tops among vegetables; however, cooked artichoke hearts were found to be the best antioxidant source among all fresh vegetables. Cooking negatively affects the antioxidant content in most foods, but it has a positive effect on artichokes.

High in fiber, low in calories and fat, and rich in antioxidants, artichokes are a healthy, versatile vegetable that are tender and scrumptious.

Artichokes are nutrient-dense, so, for the 25 calories in a medium artichoke, you're getting 16 essential nutrients! Wow!

Artichokes are a rich source of dietary fiber and antioxidants.

Artichokes contain bitter principles, cynarine, and sesquiterpene-lactones. Scientific studies show that these reduce cholesterol levels in the blood.

A fresh artichoke is an excellent source of folic acid, which acts as a cofactor for enzymes involved in the synthesis of DNA.

Fresh artichokes also contain moderate amounts of the vitamin C, an antioxidant. Regularly consuming foods rich in vitamin C helps the body develop resistance against getting sick.

Artichokes are an excellent source for vitamin K, which is very good for your bones.

Artichokes are also rich in the B-complex group of vitamins such as niacin, vitamin B6, thiamin, and pantothenic acid, essential for metabolism.

Artichokes are a rich source of minerals like copper, calcium, potassium, iron, manganese, and phosphorus. All are very good for your blood.