

Rialto USD 2.0 Training Day 3

Chef Laura Bullene Jacobo, SNS March 2025

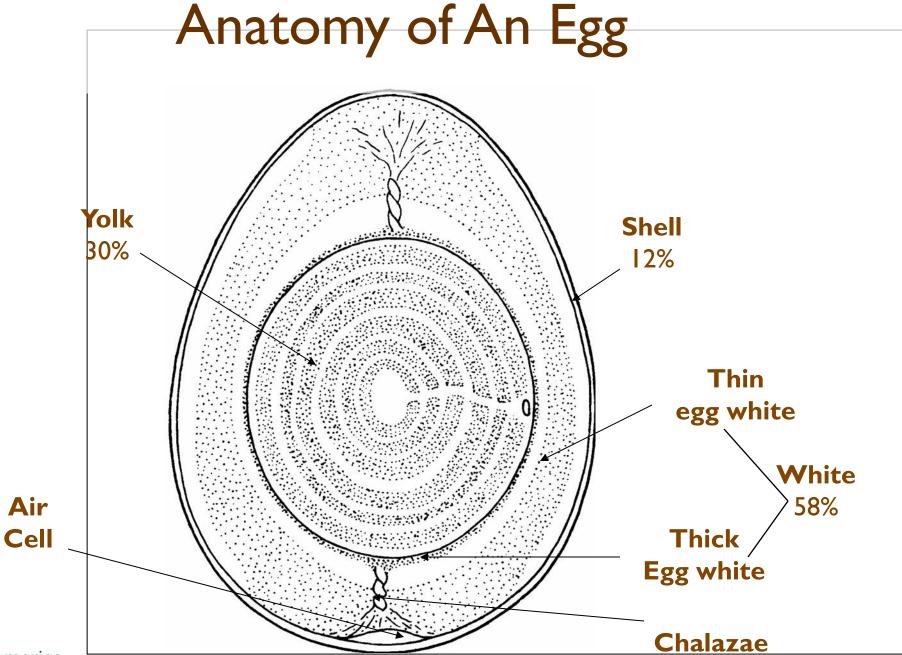


Learning Objectives

- Describe the components and quality characteristics of an egg
- List various specialty egg preparations
- State characteristics of quick breads
- Identify bakeshop equipment
- Describe the basic mixing methods
- Discuss and prepare classic and contemporary breakfast dishes that appeal to K12

Egg Cookery







Proprietary and Confidential

Egg Uses

- Binding
- Coating
- Leavening

- Emulsification
- Clarifying
- General enjoyment!

Egg Quality Factors

- Exterior Factors
 - Soundness
 - Texture of shell
 - Shape of shell
 - Cleanliness of shell

- Interior Factors
 - Size of air pocket
 - Proportion and density of white
 - Firmness of yolk
 - Blood vessels on yolk

Egg Grades – AA, A, B, and C

Egg Size/Weight Classifications

Jumbo: 28 - 30 oz. per 12 eggs

Extra Large: 25 - 27 oz. per 12 eggs

Large: 22 - 24 oz. per 12 eggs

Medium: 19 - 21 oz. per 12 eggs

Small: 16 - 18 oz. per 12 eggs

Peewee: < 15 oz. per 12 eggs

Egg Cookery

- Eggs cooked in the shell
- Fried eggs
- Poached eggs
- Scrambled eggs
- Omelets
- Specialty egg dishes

Quality Criteria: Poached Eggs

- Tender, fully cooked white
- Runny, yet warm yolk
- Delicately set
- Compact, oval shape
- Neat, uniform appearance
- Served hot



Method for Preparing Omelets

- 1. Blend eggs with liquid, if using
- 2. Heat pan, then add oil or butter over high heat or in a hot oven; add any appropriate fillings or garnishes at this time
- Add eggs and cook until properly set; add any additional fillings or garnishes, if desired
 - Stir eggs constantly in beginning for even cooking
 - Shake pan to spread eggs uniformly for best presentation
- 4. Season omelet, if desired
- 5. Evaluate quality of the finished omelet

Rolling a French-Style Omelet

- 1. Start by gently spreading or flattening the omelet in the pan to even it out for best-looking rolled and folded omelets
- Roll edge of omelet nearest handle toward the center and loosen the omelet
- Roll omelet out of the pan, completely encasing any filling (make sure the edges are caught neatly underneath the omelet), directly onto a heated plate
- 4. Shape omelet with a clean towel, if necessary

Specialty Egg Dishes

- Scotch Egg
- Frittata
- Tortilla Española
- Eggs Benedict
- Quiche
- Soufflé







Eggs Benedict

- Toasted English muffin halves
- Traditionally topped with ham or Canadian bacon, poached egg, hollandaise sauce, and truffle shavings
- Many variations exist



Quick Breads and Cakes

Bakeshop Equipment

- Mixers
- Thermometers
- Scales
- Measuring cups
- Spatulas
- Rolling pins
- Hand tools



The Fabulous Five

Fat/Oil Sugar/Sweeteners Eggs

Flour Liquids

Which components are liquefiers?

Which components are stabilizers?

Do solid fats and oils produce different result?

Ingredients and Functions: Fats and Oils

- Moisturize
 - Traps moisture and extends shelf life
- Flavor
 - Butter
- Tenderizer
 - Inhibit gluten development

- Nutritional concerns
 - Vegetable fats vs. Animal fats vs. Trans fats
- Plays a role in physical leavening process

Ingredients and Functions: Sugar

- Sweetener
- Color
 - Caramelization
- Attracts moisture
 - Hygroscopic

- Role in leavening
 - Moisture creates steam
 - Supports leavening in creaming and foaming methods
- Flavor
 - Brown sugar vs. Honey vs. Corn syrup

Ingredients and Functions: Eggs

- Emulsifier
 - In creamed doughs and batters
- Leavener
 - Air expands
 (pâte a choux, sponge cake)
 - Moisture turns to steam
 - White = 90% water
 - Yolk = 50% water

- Color
 - Maillard browning
- Structure
 - Protein
- Tenderizer (yolks)
 - High fat content
- Flavor

Ingredients and Functions: Flour

- Structure
 - Starch and protein
 - Gluten development
 - Color
- Caramelization
 - Flavor

- Nutritional impact
 - Whole vs. processed grains
 - Carbohydrates, etc

Ingredients and Functions: Leaveners

- Biological/Organic
 - CO₂-emitting organisms
- Chemical
 - Baking powder
 - Baking soda

- Physical/Mechanical
 - Mixing methods used to create structure

How is Puff Pastry leavened?

Mixing Methods

- Straight
- Creaming
- Foaming
- Rubbing/Cut In
- Others?

 If you change the method used in a recipe, will it change the final product?

Dough vs. Batter

Dough

- Main ingredient is flour (wheat)
- Ingredients are kneaded
- Usually malleable
- Generally yeast-leavened

Batter

- Main Ingredients are eggs with high amount of sugar and fat
- Usually whipped, creamed, or blended
- Pourable/spreadable
- Leavened by physical or chemical leavening

Straight Method

- Straight method
 - Most often used in recipes relying on direct fermentation
 - i.e. bread dough

- Well method
 - Variation of straight method
 - Often used for quick breads and muffins

Straight Method – Bread Dough

- All ingredients combined at once
- Features biological leavening
 - Yeast
- Well method variation
 - Add wet ingredients to sifted dry ingredients
 - Chemical leavener
 - Finish with melted fat

Straight Method

- 1. Sift dry ingredients together
- 2. Combine all liquid ingredients in a bowl
- 3. Add wet to the dry
- Scale batter into/onto appropriate pan
- Bake or cook as indicated



Creaming Method / Cakes, Cookies, Muffins, Quick Breads

- Fat and sugar are creamed
- Eggs slowly added
- Dry and liquid ingredients are added alternately
- Features mechanical leavening
 - Chemical leavening may also be used
- All ingredients must be at room temperature
- Potential for over mixing
 - Development of too much gluten

Creaming Method

- 1. Cream fat and sugar together
- 2. Add flavorings, mix well
- 3. Gradually add eggs (eggs should be at room temperature)
- 4. Add liquid ingredients alternating with dry; scrape bowl often
- 5. Mix until smooth (do not overmix)
- 6. Scale batter into pans
- 7. Bake or cook the batter



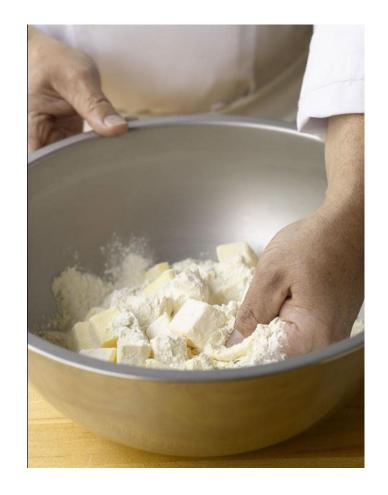


Rubbing Method

- Primarily used for:
 - Pie and Tart Doughs
 - Scones

Rubbing Method

- 1. Sift dry ingredients
- 2. Toss cold fat with flour mixture
- 3. Cut in fat
- 4. Add just enough ice-cold water to moisten dough so it holds together
- 5. Knead two or three times to pull into a ball
- 6. Refrigerate for 20 minutes
- 7. Scale and roll as appropriate



Quick Breads

- Tender and delicate texture
- Pourable batter or a soft dough
- Leaveners
 - Most often chemical
 - Baking powder, baking soda
 - Less often physical
 - Steam from butter or whipped egg whites

- Mixing methods
 - Straight
 - Creaming
 - Rubbing
- Examples
 - Muffins and loaves
 - Pancakes, waffles, and crêpes
 - Scones and biscuits

Muffins and Loaves

- Spoonable/pourable batter
- Mixing method
 - Straight or Creaming
- Chemical leaveners
- Tender, soft texture
- Muffins baked individually
- Loaves baked and sliced

Scones and Biscuits

- Tender and flaky texture
- Mixing method
 - Rubbing
- Leaveners
 - Chemical
 - Physical (steam from butter)
- Baked individually
- Scones sweet or savory / Biscuits generally savory

Baking, Breakfast and Eggs:

Team One: Pourable Pizza Crust

Pepperoni and Sausage Pizza

Team Two: Orange Almond Breakfast Cake

Zucchini and Roasted Red Pepper Frittata

Team Three: Korean Street Toast with Egg

Potato Frittata

Team Four: Breakfast Lentil Quesadilla

Peanut Butter Vanilla Yogurt Dip with Fresh Fruit

Orange Almond Breakfast Cake





Korean Street Toast





Any questions?