

## Baking Best Practices: Bridging Home to Careers



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Home Baking Association

Family & Consumer Sciences Education Professionals



Great baking beginnings, make great ends.

















National Extension Association of Family and Consumer Sciences







Bakers...chefs...bloggers...authors...teachers...YOU?







## **10 Best Practices**







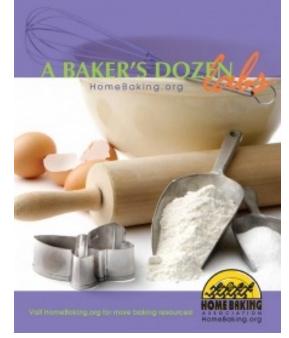
- Choose well-tested recipes, suited to baker's experience level
- 2. Read the recipe top to bottom- (Questions? ingredients, food safety steps; methods, enough time?)
- 3. Choose the correct ingredients (OR sub ingredients to \$ave, boost nutrition, for allergies, beliefs?)
- 4. Mis en place ingredients and tools
- 5. Heat is an ingredient- (Check ingredient, oven temps)
- 6. Measure/scale accurately –(Use tested tools, methods)
- 7. Apply correct mixing techniques, times



- 8. Scale/portion batter, dough equally
- 9. Baking pan type, treatment, size; oven temp
- **10. Quality internal temps;** (Doneness temps; Cool on wire racks to temp before slicing, wrapping)

#### #1- Choose well-tested, skill-suited recipe







Recipes, Tips and Fun Facts for Teaching Kids to Bake





#### HomeBaking.org

- Our Recipes
- Our members and partners
- HBA Lessons, labs, books
- Blogs, Baker's Spotlight, Social media, YouTube



Bette

Baking





# **#2- Read recipe, top to bottom-** Confirm steps needed, ingredients, know techniques, enough time?









Multiple studies show that when consumers follow recipes that incorporate basic food safety instructions, they significantly increase food safety behaviors. This style guide provides easy edits to any recipe to improve food safety practices.

 Image: State Comparison

 Image: State Comparison

https://www.saferecipeguid e.org/graphics/



Flour is a raw, agricultural commodity *until it is cooked or baked*.

#### 5 STEPS OF FLOUR & BAKING FOOD SAFETY FCS Educators needed- On-line Partners



Flour is a minimally processed ingredient that carries pathogens from the field



Wash hands before and after



Work with a clean workstation & utensils





Cook or bake everything to safe temperature





safe Recipe St and Student Ac



guide

HomeBaking.org

### #3- Choose/confirm correct ingredients, temperatures







- Baking powder vs baking soda
- Buttermilk- make own sour milk to sub
- "Room temperature" (??°F) butter, eggs OR "cold" (40 °F) fat; liquid temps for yeast
- Type of <u>flour(s)</u>
- Gluten-free, vegan <u>Baking for Special</u> Needs
- Nuts- toasted, type, chop first or after measurement
- Variety of apple
- To save \$\$\$\$
- Ingredients to boost nutrition



#### #4- Mis en place ingredients, tools



<u>Mis en place video</u> at HomeBaking.org-Recipe, <u>Buttermilk Banana Bread</u>

#### Read recipe again and ...

- Assemble correct ingredients called for or substitutions that will work
- Do ingredient preps- peeling, dicing, chopping, at correct temperature, yeast sponge or proofed
- Gather tools, scale, portion scoops
- Prepare the correct type/size of pan
- Check oven, place racks, heat 15 minutes ahead of when needed



### #5- Heat is an Ingredient☺



- Process temperatures- butter, yeast, flour, 1. eggs
- Internal doneness temperatures 2.
- **Oven heat-** and re-heat when re-loading 3.
- Internal cooling, wrapping, storage
- Valuable Thermoworks<sup>®</sup>CROSS-PROMOTION
- Chef Earl Martin *Quality Temperatures* video



for students and their families

Cutting in

35 to 40°F

Use a digital thermometer to veri

145 to 150°

Sourdough 190 to 210°

105 to 115°

Cream Pie

160 to 165°F

**Rich Cake** 

200 to 205°F

center of what you're measuring

2. If powder or liquid, gently stir 3. If solid, push past center and pull

1. Place the probe tip in the

back slowly 4. Look for the lowest number

the display

How to take a temperature

Rutter

Use a digital thermometer to measure your ingredient and pro-

Creaming

65 to 70°E

Water 120 to 130°F

Bagels 185 to 195°F

S

Light Cake 205 to 210%

**(**3)

25 to 90°F

Brioche

180 to 190°

Muffins

205 to 210°E

Rutte



2.208 Ratings

- Fast: Readings in just 3 to 4 seconds
   Guaranteed Accurate: ±2°F
- Durable and Splash-proof: IP66 Rating
   Easy to Read: Huge Backlit Display Fun Design: Grip with Either Hand
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\$35.00 \$17.50 (plus shipping) Exclusive price for students and their famili Go to ThermoWorks.com/ThermoPop and use Discount Code STUDENTOFFER22 at checkout...

#### Take it from the experts...



Good Housekeeping says "For anyone looking for a simple, easy-to-use instant-read thermometer, the colorful ThermoWorks ThermoPop Thermometer...features big digits a rotating head so you can check temps from any angle, and a thin tip." Awarded Easiest-to-Use Thermomete



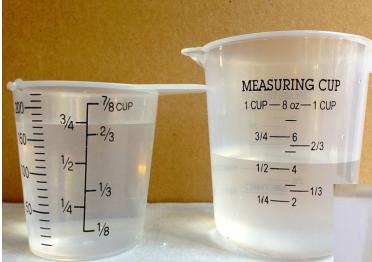




https://www.homebaking.org/wpcontent/uploads/2022/04/HBA-Student-Flyer-with-recipe.pdf

### #6- Measure/scale accurately

use tested tools and methods



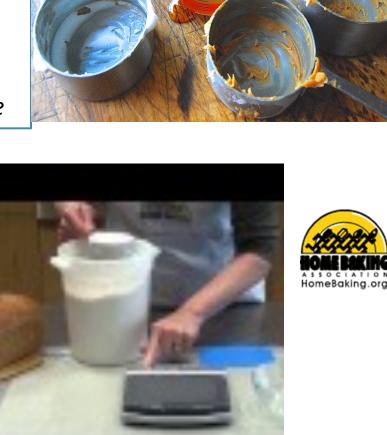
#### Liquid measuring cups most variable- is it 8 oz?

Fluff, spoon, level



- 2. Less mess –
- 3. YouTube Measurement Matters- How to measure/scale





#### # 7- Apply correct mixing techniques, times



Ae	ra	te

Blend

Beat

- Blind bake
- Bloom yeast
- Brown
- Caramelize
- Combine
- Cool
- Cream

- Cut –in
- Dissolve
- Fold
- Incorporate
- Knead
- Melt
- Scald
- Simmer
- Whip
- Whisk



#### #8-Scale/portion batter, dough





Control for quality, baking, calories, cost control, marketing, sales...





#### HOME BAKING A 5 5 0 C A T I O N HomeBaking.org

### #9-Baking pan types, treatment, size

- Why Bake in Glass? <u>infographic</u>
- Dark metal vs shiny vs textured
- Cookie sheet (edgeless) vs jelly roll pan
- Steel 1/4, 1/2 and full sheet pans
- Aluminum (single use)
- Parchment vs grease vs pan spray
- Pan substitutions- loaf, tube, cake, muffin





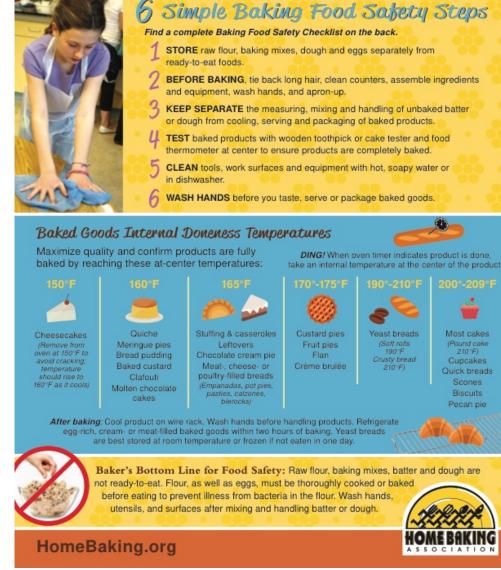
# #10- Quality internal temps

- Heat is an Ingredient
- Remove from pans according to directions
- Cool on wire rack
- Take internal temp before slicing, wrapping – less than 100°F





#### **Baking Food Safety 101**



#### **Baking with Children**

Teach them to bake while young so they will benefit for life.

- Apply best practices at home or classrooms or clubs
- Read recipe- demonstrate to learn terms, techniques, methods
- *Mis en place* ingredients, tools
- Choose/share tasks safe for age, skills
- Early childhood- Play only with *cooked* play dough if child is still putting things in mouth
- Teach all ages to not taste raw dough, batter
- Wash hands and surfaces before and after measuring, mixing, shaping, and distributing batter
- Take ingredient and Internal baked good temps
- Wash before you handle, serve, package or taste



Measure dry ingredients

harn to crack equis

Knead dough

astic or table knife



#### The Thrill of Skill

Age-Appropriate Kitchen Tasks Let older children help teach vounger one everyone benefits!

2 years old: Proper hand washing Wipe table tops Play with safe utensils crub, wash, tear, snap, break into pieces Move pre-measured ingredients from one place to another Add ingredients to a bow

3 years old: All of the above plus. andle dough, begin kneading, simple shapin our cool liquids into mixture Mix dry ingredients with wire whisk or sp extra large bowl Spread soft spread Place things in trash

4 years old: All of the above plus eel loose skinned oranges; hard cooked ego orm round shapes with dough ash fruits (bananas) or cooked vegetab Cut with dull scissors (snip green onions, dried frui

5 to 6 years old: All of the above plus



From Baking with Friends: Recipes, Tips and Fun Facts for Teaching Kids to Bal



Learn safe knife skills (chopping, dicing, and cutting Handle food equipment safely Place oven racks and load oven (while oven is o Safe operation of electric equipment (mixer, mi bread machine food processor, etc.) Follow a recipe Imeasure accurately, p afely handle/store ingredients/finished p Plan and prepare simple meals, snacks n up (how and what to wash in dishe

13 years old and up: All of the above plus. s requiring multiple preparation steps or close tir Create new flavor combinations, shapes or decoration Plan and prepare whole menus for meals or enterta Make shopping lists and shop for ingred Help younger children learn about food and how



#### **ENTER!!**

#### TWO Awards! Adults and Youth... Enter by May 31.



- Youth, Grades 7<sup>th</sup> to 12<sup>th</sup>
- Bake to Give Maddie Kruse Youth Award- \$1000 and trip for two
- Enter by May 31 (extended)
- Bake to Give Resources to get started



- Adults who teach baking should enter by May 31 (extended)
- Classrooms, out-of-school clubs, community, home, camps...
- <u>Guidelines</u> to be eligible for \$1000 award and trip





## Thank you!!



Home Baking Association--Building Bridges, Home to Careers.

Follow us monthly for the latest in baking resources

- Baking Educator ENEWS <a href="https://www.homebaking.org/newsletter/">https://www.homebaking.org/newsletter/</a>
- Baking Calendar of Hospitality and Hacks <a href="https://www.homebaking.org">https://www.homebaking.org</a> content/uploads/2023/03/April-Baking-Calendar2023.pdf
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- <u>https://www.youtube.com/user/homebaking</u>

