

## Baking Best Practices:

## Bridging Home to Careers



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Great baking beginnings, make great ends.



## HBA Partners



WHOLE GRAINS COUNCIL
An Oldways Program
NEAFCS
National Extension Association of Family and Consumer Sciences


# HBA Associate Members 

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


* BE A BETTER BAKER *



## 10 Best Practices



1. 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



## HomeBaking.org

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

Better Baking


BIGGER
BOLDER
BAKING
Cusesma


Easy Recipes to Bake Through a Busy Week GEMMA STAFFORD


## \#2- Read recipe, top to bottom- Confirm

 steps needed, ingredients, know techniques, enough time?

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


## 5 STEPS OF FLOUR \& BAKING FOOD SAFETY <br> 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


Do not eat raw dough or batter


Cook or bake everything to safe temperature

DID YOU KNOW FLOUR IS A RAM INCREDIENI? -1CTRU=
WHEAT COMES FROM THE FARM, IS MINIMAIY PROCEGCED THEN PACKAGED FOR USE


SO YOU SHOULD NEVER EAT RAW FLOUR!
HEAMH \& SAFEMY THPS:
DON'T EAT RAW DOUC: OR BAWER


WASH HANDS, BAKING TOOLS AND SURFACES WITH SO:IP AND HOT W:WER

AND
ONLY EAT FOOD THAT CONTAINS FLOUR WHEN IT IS FULIY COOKED

․


Baking and Flour Food Safety

Resources
Homebaking.org/baking-food-safety/



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



- Baking powder vs baking soda
- Buttermilk- make own sour milk to sub
- "Room temperature" (?? $\circ$ F) butter, eggs OR "cold" (40 $\circ$ ) fat; liquid temps for yeast
- Type of flour(s)
- Gluten-free, vegan - Baking for Special Needs
- Nuts- toasted, type, chop first or after measurement

Substitution Science ppt

- Variety of apple
- To save \$\$\$\$
- Ingredients to boost nutrition

Phe Best Apple for Cooking \& Bakin
Types of Sugar

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



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

## \#5- Heat is an Ingredient©



1. Process temperatures- butter, yeast, flour, eggs
2. Internal doneness temperatures
3. Oven heat- and re-heat when re-loading
4. Internal cooling, wrapping, storage

- Valuable Thermoworks ${ }^{\circledR}$ CROSS-PROMOTION
- Chef Earl Martin Quality Temperatures video

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


## \#6- Measure/scale accurately

use tested tools and methods


1. Scales most accurate,
2. Less mess -
3. YouTube - Measurement Matters- How to measure/scale

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



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



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

- Why Bake in Glass? infographic
- 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 $100^{\circ} \mathrm{F}$



## Baking Food Safety 101

##  <br> Simple Baking Food Sabety Steps

Find a complete Baking Food Safety Checklist on the back.
1 STORE raw flour, baking mixes, dough and eggs separately from 1 ready-to-eat foods.
2 BEFORE BAKING, tie back long hair, clean counters, assemble ingredients and equipment, wash hands, and apron-up.
3 KEEP SEPARATE the measuring, mixing and handling of unbaked batter or dough from cooling, serving and packaging of baked products.
4 TEST baked products with wooden toothpick or cake tester and food TEST baked products with wooden toothpick or cake tester and to
thermometer at center to ensure products are completely baked.
5 CLEAN tools, work surfaces and equipment with hot, soapy water or in dishwasher.
6 WASH HANDS before you taste, serve or package baked goods.
Baked Goods Internal Doneness Temperatures

Maximize quality and confirm products are fully
 DINGI When oven timer ind cates product is done.
ake an internal temperature at the center of the produc.


After baking. Cool product on wire rack. Wash hands betore handing products. Reffigerate are best stored at room temperature or frozen if not eaten in one day

Baker's Bottom Line for Food Safety: Raw flour, baking mixes, batter and dough are not ready-to-eat. Flour, as well as eggs, must be thoroughly cooked or baked before eating to prevent illness from bacteria in the flour. Wash hands, utensils, and surfaces after mixing and handling batter or dough.

## Baking with Children <br> 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


Play Clay video

## ENTER!!

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



- Youth, Grades $7^{\text {th }}$ to $12^{\text {th }}$
- Bake to Give Maddie Kruse Youth

Award- $\$ 1000$ and trip for two

- Enter by May 31 (extended)
- Bake to Give Resources to get started
- https://www.homebaking.org/youthaward/

- Adults who teach baking should enter by May 31 (extended)
- Classrooms, out-of-school clubs, community, home, camps...
- Guidelines 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 https://www.homebaking.org/newsletter/
- Baking Calendar of Hospitality and Hacks https://www.homebaking.org content/uploads/2023/03/April-Baking-Calendar2023.pdf
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