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## Today's Goal

"Helping you troubleshoot cookies by knowing how they work"

Understanding vs. Memorizing

No "perfect" recipes here!




## Dissecting Cookies



## Dissecting Cookies - Shortbread



Cut in slices Bake at $180^{\circ} \mathrm{C}, 15 \mathrm{~min}$

## Dissecting Cookies



> When troubleshooting cookies, consider which step might have caused your problem.

## Dissecting Cookies





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## Dissecting Cookies



## Dissecting Cookies



## Dissecting Cookies








## Dissecting Cookies



## Dissecting Cookies



## Keep in mind



- Weather (humid, hot, cold?)
- Number of cookies
- Temperature inside bakery

Often it's the sum of a lot of small changes that makes the difference.

## Question: Altitude Baking (>1000m/3000ft)



Less 'resistance' from air pressure

- Expand easier
- Water evaporates more quickly
- Add more water, less leaveners
- Increase oven temperature (to set more quickly)


## Question: Flour Type



## How to experiment with cookies

- Start with a recipe that's close to what you're aiming for.
- Make it, test it.
- Evaluate, determine what cookie is missing
- Change 1 parameter at a time, optimize



## Further Learning

## We've written about cookies a lot on our website!

- Start with: Unpeeling the science of cookies
- Read the "LEARN MORE" sections linked to throughout this presentation
- Find all cookie articles

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\text { BLOG } \mid \text { COURSES } \mid \text { CONSULTING }
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