

**TUES
DAY**

**12|30|25
9AM-3PM**

Winter Youth STEM Workshop:

CLOUDY MEATBALLS

with a
chance of



A Day of Food, STEM & Tasty Experiments!

Youth will explore the science behind food through hands-on demonstrations, tasty experiments, and holiday-themed activities. From candy chemistry to cooking science, this workshop blends fun, creativity, and STEM learning!



Food & Cooking Science Experiments such as:

- The Science of Cheese: How Milk Turns into Solids
- Making Holiday Candy & Learning About Crystalization
- Hot Chocolate Heat Transfer Experiment
- Cookie Chemistry: What Makes Cookies Crunchy or Chewy?
- Microwave Science: How Electromagnetic Waves Cook Food
- Electric Ovens vs. Microwaves: A Technology Comparison
- Oil vs. Butter: Which Conducts Heat Better?
- Holiday Spices & Aroma Molecules
- Density Layers with Syrups & Sugars



Technology Activities

- How Microwaves Really Work: Safe Demonstrations
- Electricity & Heating Elements in Modern Ovens
- Create a Simple Temperature Sensor with Micro:bit



What Youth Will Gain

- Hands-on science & tech exploration
- Creativity, teamwork & problem-solving
- Confidence through hands on project



REGISTRATION & LOCATION:

Register by: December 26, 2025

Registration Link: <https://WinterYouthSTEMWorkshop.eventbrite.com>

Location: Glad Tidings Family Life Complex - 27709 Tyrrell Avenue, Hayward, CA

Questions? Contact: 510-783-2225 or email info@gti.church



We can't wait to see your young scientist & engineers there!

