

# Husky @ Home Science Informational “Meet & Greet”

Prof. Matthew R. Golder  
University of Washington

June 8, 2021



[golderresearchteam.org](http://golderresearchteam.org)



## HUSKY @ HOME SCIENCE (HAHS)

with University of  
Washington  
Chemistry students

"At home interactions &  
conversations with  
real chemists..."

Q+A with UW scientists

Live hands-on demonstrations

Learn about the science  
of materials around you



Illustration: Dr. Teng-Wei Wang

Free virtual sessions during Summer 2021:

Tuesdays at 10 AM (Pacific Time) on Zoom

Informational "Meet & Greet": 6/8

Activities: 6/22, 7/6, 7/20, 8/3, 8/17

Questions? Email [hahs@uw.edu](mailto:hahs@uw.edu)

*1. Provide scientific “context” to simple “demonstrations”*

*2. Get our “hands wet” with real chemistry*

*3. Interact with real scientists at UW*

*4. Explore the materials around us*

*5. Have fun!*

# The HAHS Team



## Postdoctoral Researchers

Dr. Teng-Wei Wang (@ Uniroyal)  
Dr. Progya Chakma

## Graduate Students

Sarah Zeitler (G2)  
Meredith Pomfret (G2)  
Brian Sun (G1)  
Anna Freund (G1)  
Mercie Hodges (G1)  
Christine Morrison (G1)

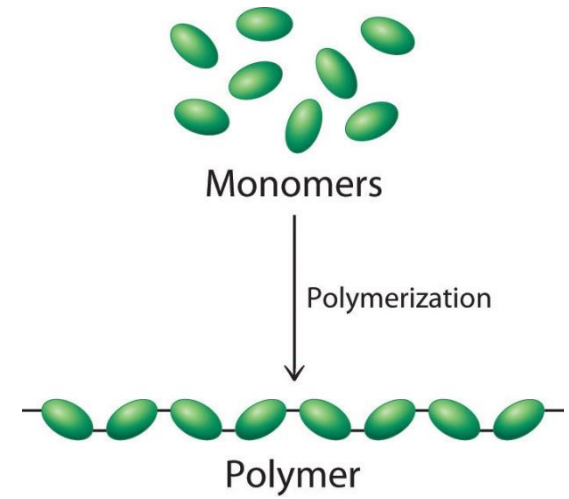
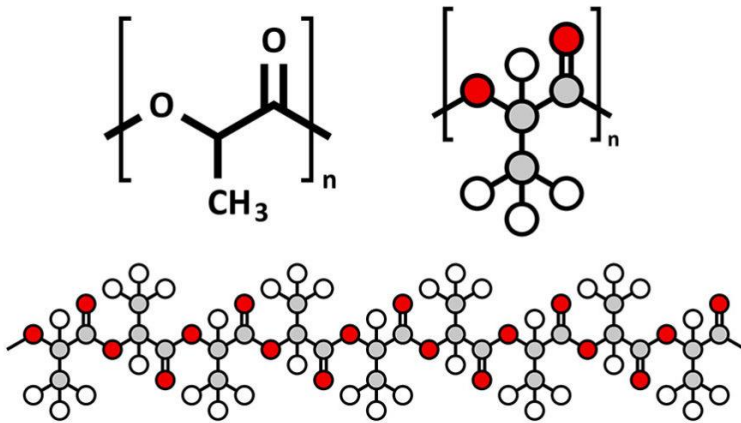
## Undergraduates

Jayme Chow (Starting @ UCI)  
Ray Huang (2022)

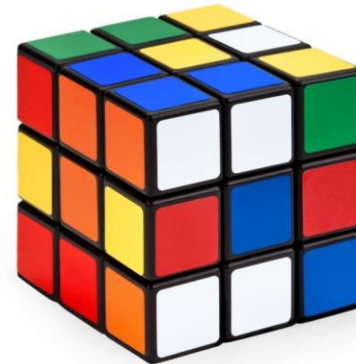
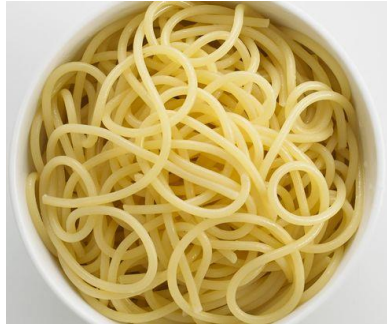




# What are “Polymers”?



# Do Scientists Ever Make New “Polymers”?



# What to Expect This Summer...



## *Polymers in Your Kitchen!*



*Bouncy Balls*

*Fake Snow*

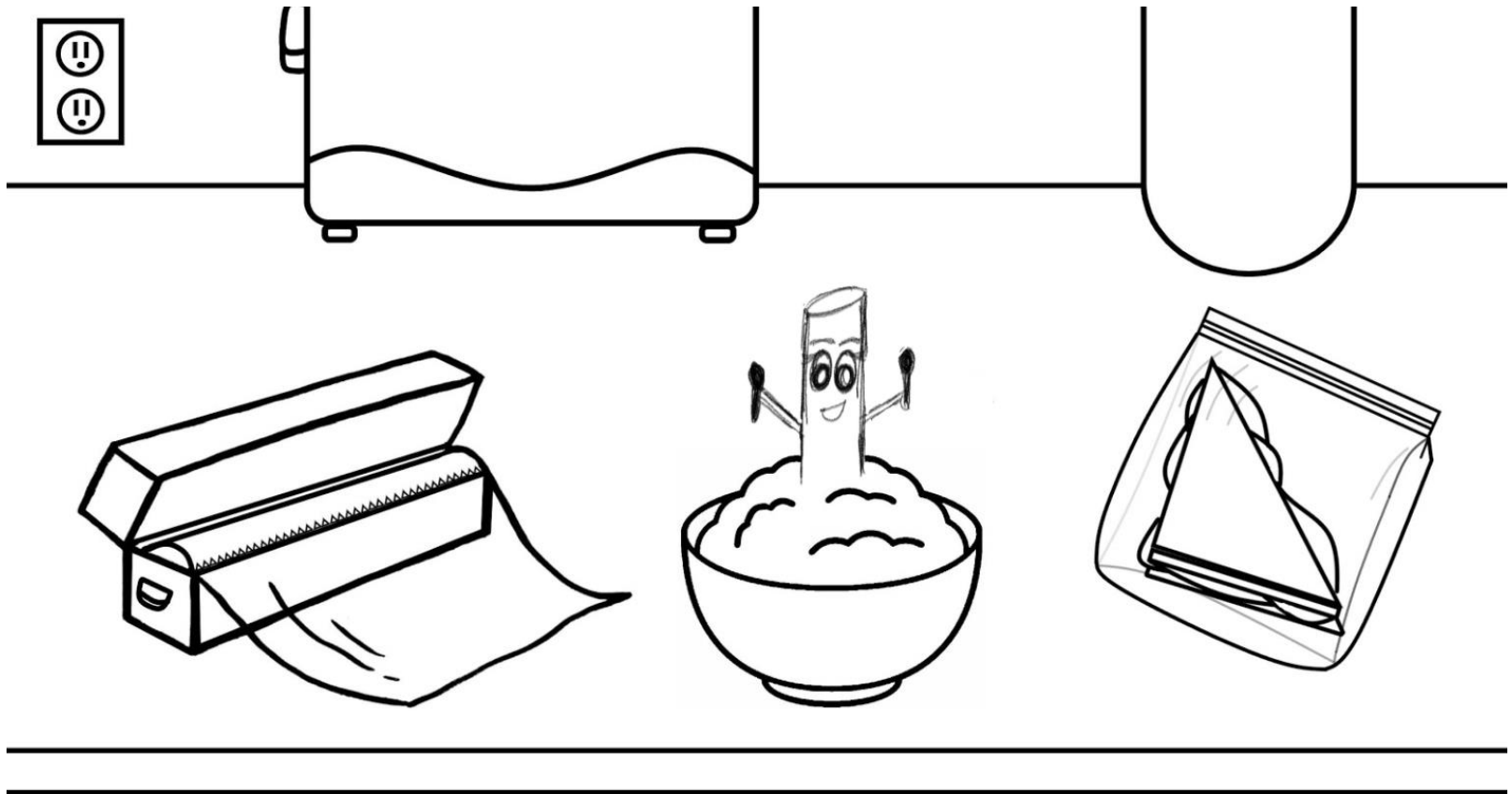
*Natural Plastic*

*Putty + Clay*

*Polymers in Fruits*



## *Annotated + Educational Storybook: Polymer Adventures with Dr. Penny Penne... Coming Soon!*





# Sample Itinerary (for June 22<sup>nd</sup> Session)

*Welcome, Technology Check, Check-In Questions*

5 minutes

*Topical Science Introduction from UW Scientist Hosts on Today's Theme  
(See "Note to Parents" & "Note to Students" e-Copy)*

10 – 15 minutes

*Pre-Activity Questions and Discussion (if any) Around Today's Scientific Goal*

5 minutes

*Science Demo Begins: Follow Along at Home!*

15 - 20 minutes

*"Spark" Questions (Scientists to Students)*

5 minutes

*What Did We Learn (& "Google Me" @ Home)*

5 minutes

*"Ask a Scientist"*

5 minutes



# Bouncy Ball Supply List (for June 22<sup>nd</sup> Session)



All available at Bartells, Amazon, Etc or from HAHS

1. Borax (1 – 2 tablespoons *per bouncy ball*)
2. Elmer's glue (2 – 3 tablespoons *per bouncy ball*)
3. Cornstarch (1 – 2 tablespoons *per bouncy ball*)
4. Water
5. Disposable bowl (for mixing)
6. Popsicle sticks (for stirring)
7. Glitter and/or food coloring (optional, but fun!)



# Frequently Asked Questions

## *Do we need to buy supplies? Will you send supplies?*

Each session will have a “supply list”. You can indicate when you sign up whether or not you want us to send a supply box (free of charge), no questions asked!

## *How long will each session last?*

No more than 1 hour in total. All sessions will start at 10a PT on Tuesdays. Exact length dependent on questions!

## *Do I (and my kids) need to participate? Do we need to have our video on?*

Participation is certainly welcome but also certainly not required! *Video is optional as well.*

## *What if I (and my kids) can't make all of the sessions this summer?*

Not a problem. You can sign up for one or all. We will make the materials available for those who want to try the demos “offline”.

## *OK, how do we sign up for June 22<sup>nd</sup>?!*

Matt will send out a brief registration form this afternoon. Right after the June 22<sup>nd</sup> session, Matt will send out a registration form for the rest of the summer. <sup>11</sup>