



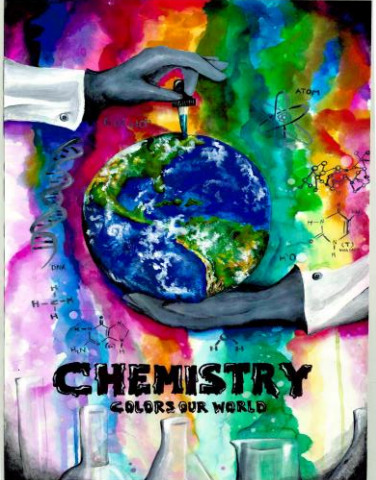
ACS Local Section
Southern Nevada

American Chemical Society

**CCSD High
School Poster
Contest Awards**

**Saturday
October 22, 2022
at 2:45 PM**

**A Southern Nevada Section ACS event
Hosted at the Flamingo Hotel and Casino
Las Vegas, Nevada
Room: Red Rock II**



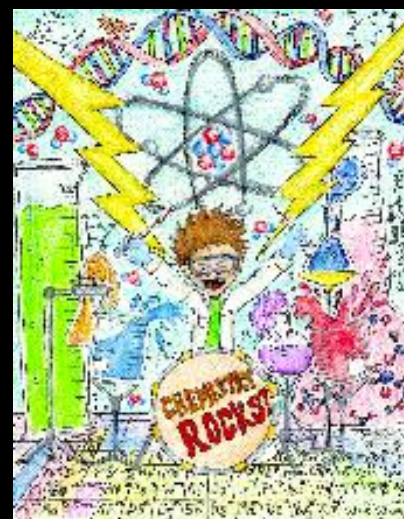
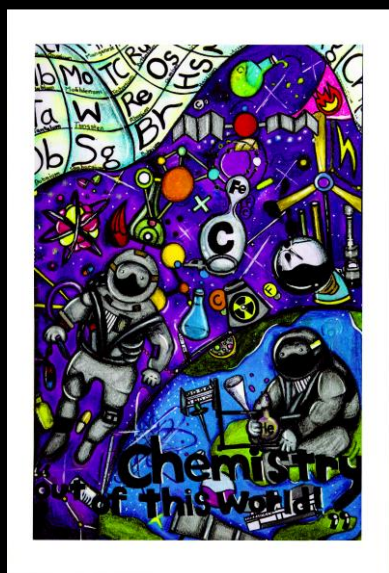
ACS
Chemistry for Life[®]

The American Chemical Society



The 2022 Clark County School District High School Chemistry Poster Contest "Fabulous Fibers: The Chemistry of Fabrics."

Sponsored by the Southern
Nevada Section of the American
Chemical Society



The American Chemical Society

- Over 155,000 members worldwide
- One of the Largest Scientific Organization in the World
- Every member gets Chemical and Engineering News – A weekly news publication from ACS

SHOWCASING CHEMISTRY

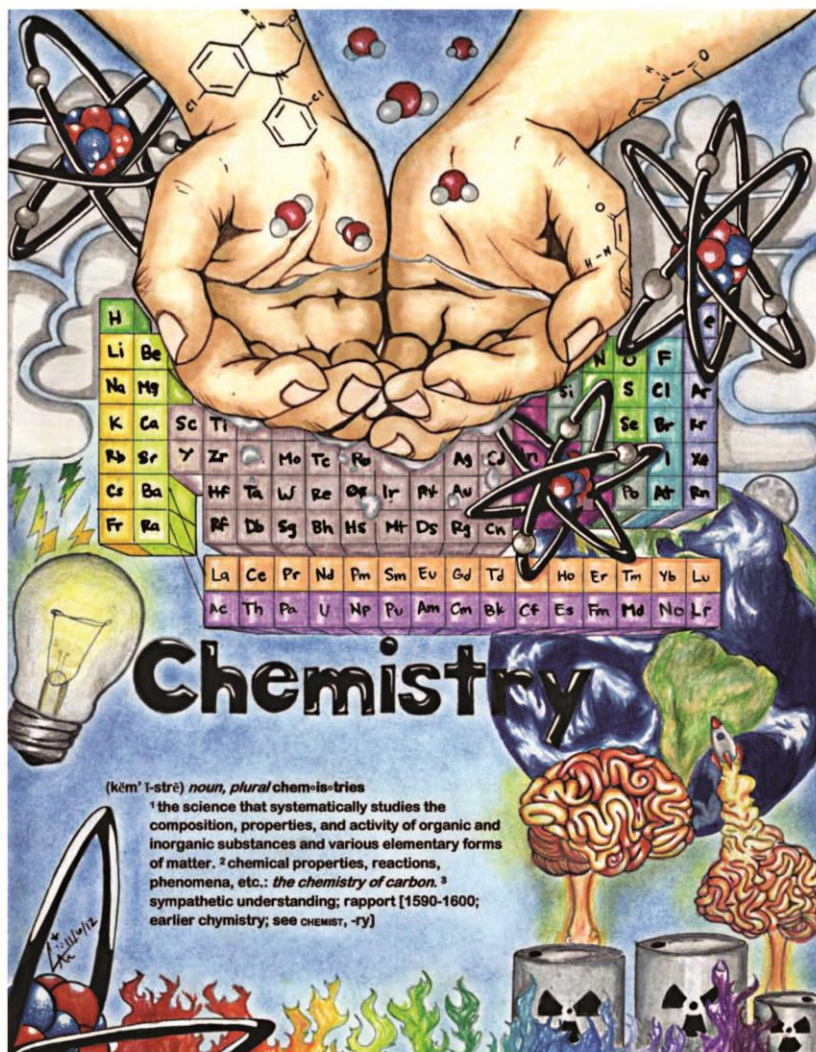
Through its annual **POSTER CONTEST**, the ACS Southern Nevada Section inspires students to explore the power of chemistry

SUSAN J. AINSWORTH, C&EN DALLAS

IF YOU'RE A FAN of the idea of promoting science through art, you may be intrigued by a burgeoning program set up by the American Chemical Society's Southern Nevada Section.

When brainstorming imaginative ways

to celebrate the International Year of Chemistry in 2011, the section decided to sponsor a chemistry-themed poster contest for area high school students. Not only was the competition successful from the get-go, but it has now morphed into an an-



nual event that continues to influence the local community.

Currently gearing up for its third year, the contest has inspired talented young artists to produce posters that vividly illustrate concepts such as basic chemical principles and chemistry's broad application in fields as diverse as pharmaceuticals

and alternative energy. Most important, it has served as an effective outreach tool, drawing interest from students who might not otherwise ponder the power and benefits of chemistry,

observes Roger Rennels, the section's public relations chair, who came up with the contest idea.

As the section set out to launch the contest in 2011, it drew heavily on the resources of the local public school district. The Clark County School District's School-Community Partnership Program and its assistant director, Judy

FIRST PLACE
 Christy Adaya,
 grade 12,
 Shadow Ridge
 High School,
 Las Vegas.



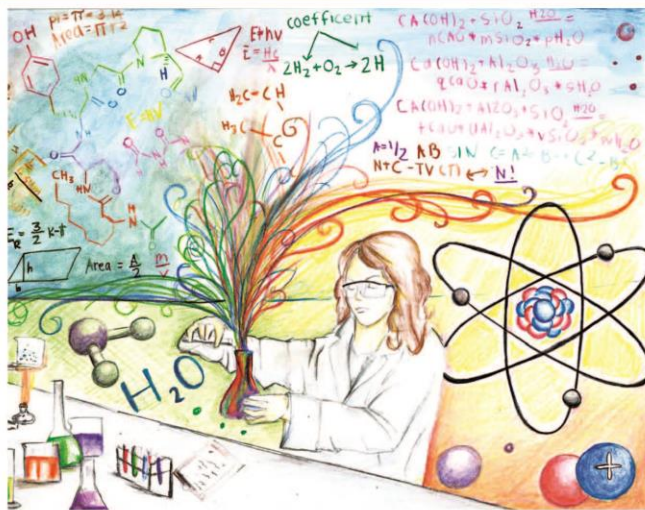
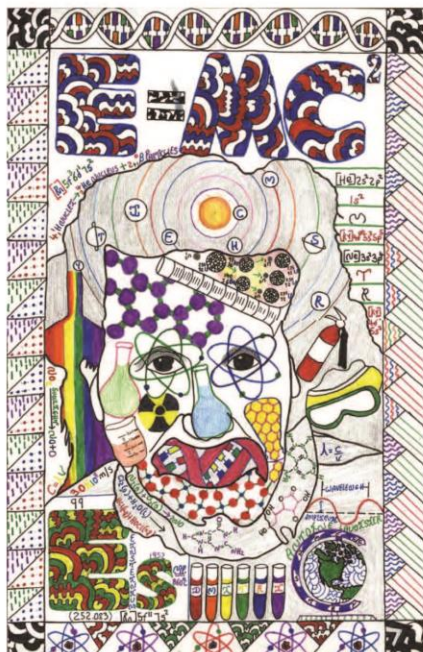
THIRD PLACE Rileigh Sorenson, grade 12, Foothill High School, Henderson, Nev.

Myers, provided critical guidance and help implementing the project. For example, Myers encouraged the section to limit the contest to high school students to control costs, and she provided information about successful contests held in the district in the past, which helped the section structure its poster contest and define its rules.

More specifically, Myers advised the section to offer cash prizes, for students as well as for the teachers who sponsor the winning posters, as a way to maximize the number of contest entrants, Rennels says. More than 200 students participated in 2012.

First-place student winners receive \$500, and second- and third-place finishers get

RUNNER-UP Yoseph Hobe, grade 10, Rancho High School, Las Vegas.



RUNNER-UP Deborah Diaz, grade 9, Southeast Career Technical Academy, Las Vegas.

\$250 and \$100, respectively. In addition, each sponsoring teacher wins half of the amount that his or her student receives. In addition, in 2012, the top eight student runners-up each received \$25 gift cards, which were donated by VWR International, a laboratory supply and distribution company.

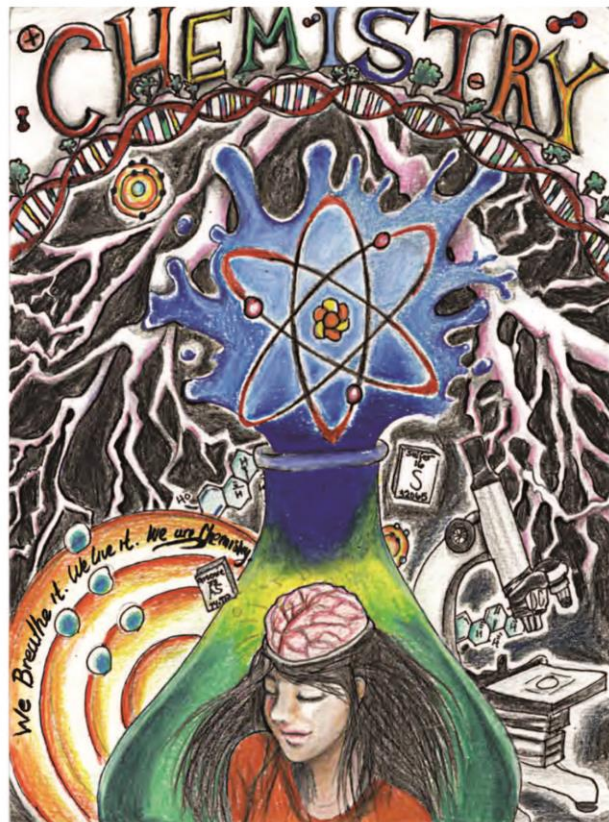
Rennels, along with fellow Southern Nevada Section executive committee members Onofrio (Dick) Gaglione and Kazumasa (Kaz) Lindley, serves as a judge for the contest.

To further enhance its outreach power during the most recent awards ceremony, the section invited undergraduate and graduate students to present research posters that they had entered in another contest the section sponsors, Rennels says. Through this effort, he explains, “we wanted to share the high school students’ posters with the greater chemical community in southern Nevada, and we wanted the high school students to see how the college students’ posters are used to convey scientific knowledge.”

Rennels believes that the high school poster contest has been effective in sparking curiosity about chemistry among students. Recently, an art teacher told him that many of her students who were participating in the contest frequently

went across the hall to talk with the chemistry teacher about chemistry. “And that,” Rennels says, “is something many of these students would never have done if not for this contest.” ■

SECOND PLACE Ashley Armenta, grade 9, Southeast Career Technical Academy, Las Vegas.



& MORE ONLINE

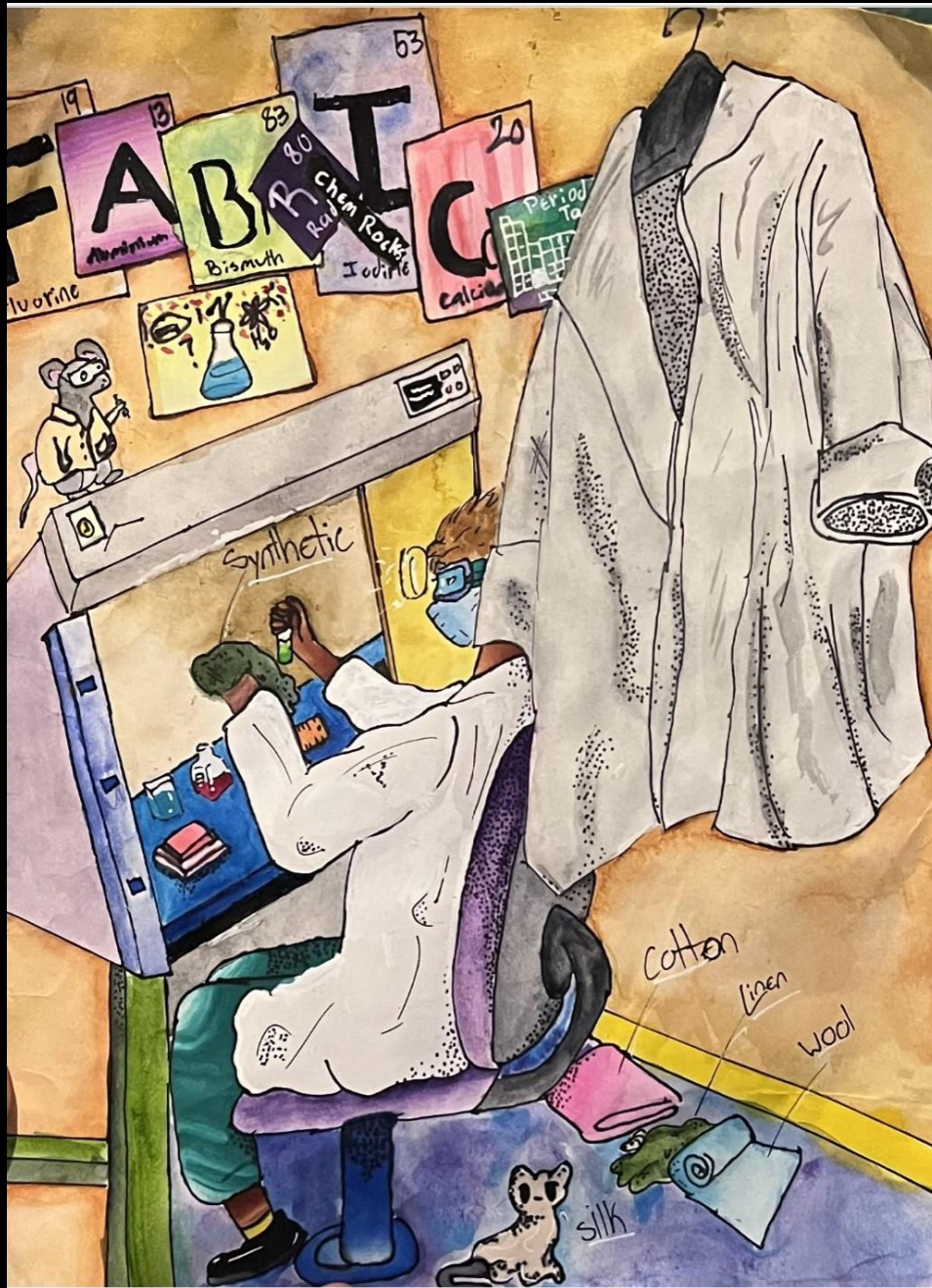
See more of the dynamic, chemistry-focused posters that garnered contest honors at <http://cenm.ag/poster>.

Contest History:

- Began in 2011 – (International Year of Chemistry)
- Over 1200 High School Students & Teachers Have Participated
- Over \$12,000 in Prizes Annually

Runner Ups

Brianna Coleman



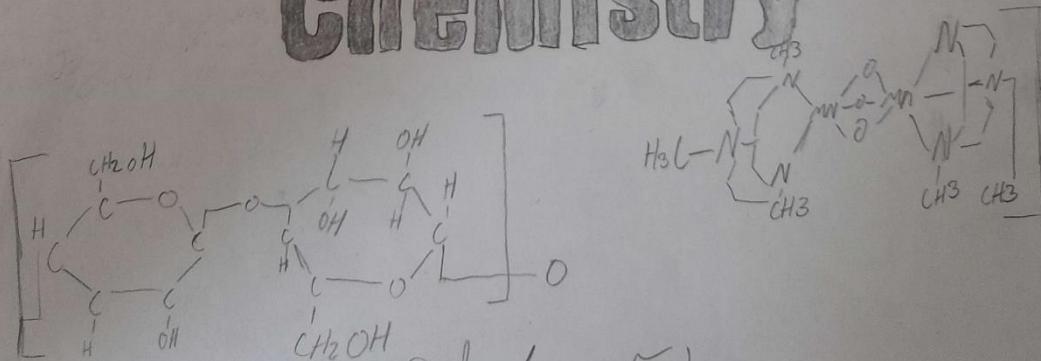
Synthetic Fabric

A-Tech
(Kevin Chung)

Ely Chiu



Chemistry



Fabulous Fibers

Cool Drink

A-Tech

(Kevin Chung)

Nila Ybarra



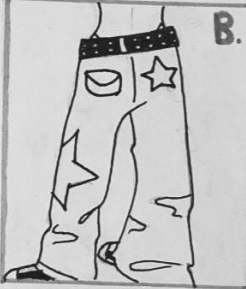
Creating Nylon

Veterans Tribute CTA HS
(Marc Luu)

Abigail Vertiz

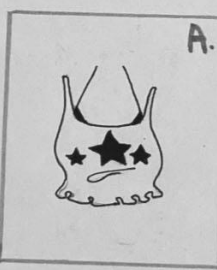
FABULOUS FIBERS

B.



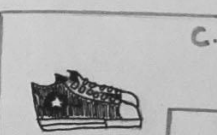
★ STAR CARGO PANTS
 Style: Casual/Street
 Fabric: Cotton Blend Synthetic Fiber
 Crafted from washed Cotton fabrics, cuts to relax Silhouette, featured star design

TRIPLE★TANK
 100% cotton
 Natural vegetable Fiber
 Soft, comfortable, breathable




A.

CANVAS★SHOES
 Cotton Canvas
 Synthetic Fiber

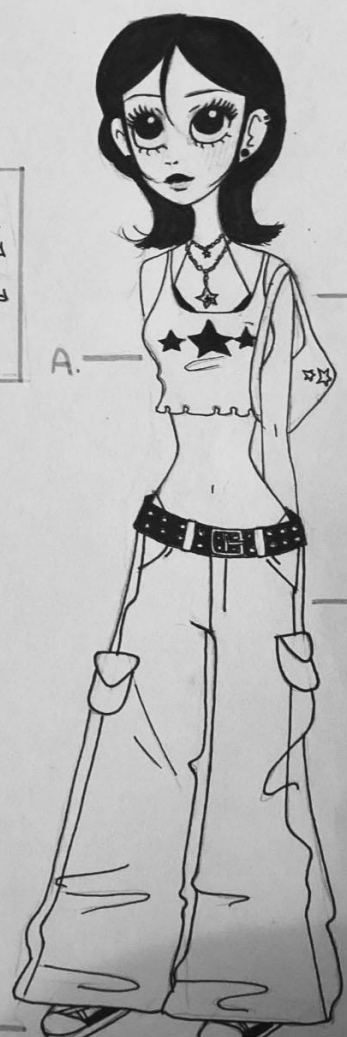


C.

★ SHOULDER BAG
 Woven Nylon
 Synthetic Fiber



D.



OCC(O)CO

O=C(O)NCC(O)CO

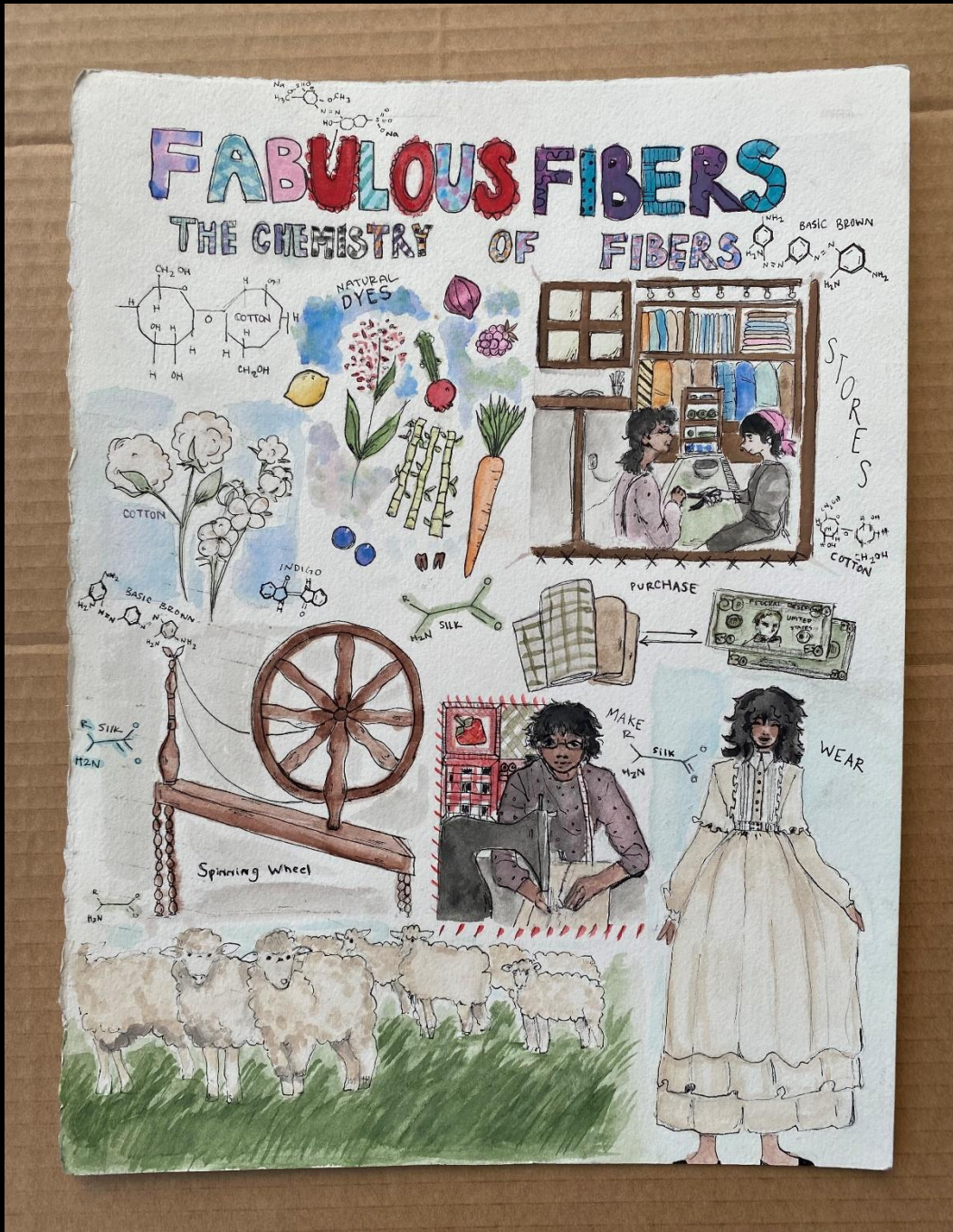
O=C(O)NCC(O)CO

O=C(O)NCC(O)CO

Fabulous Fabric Design

A-Tech (Kevin Chung)

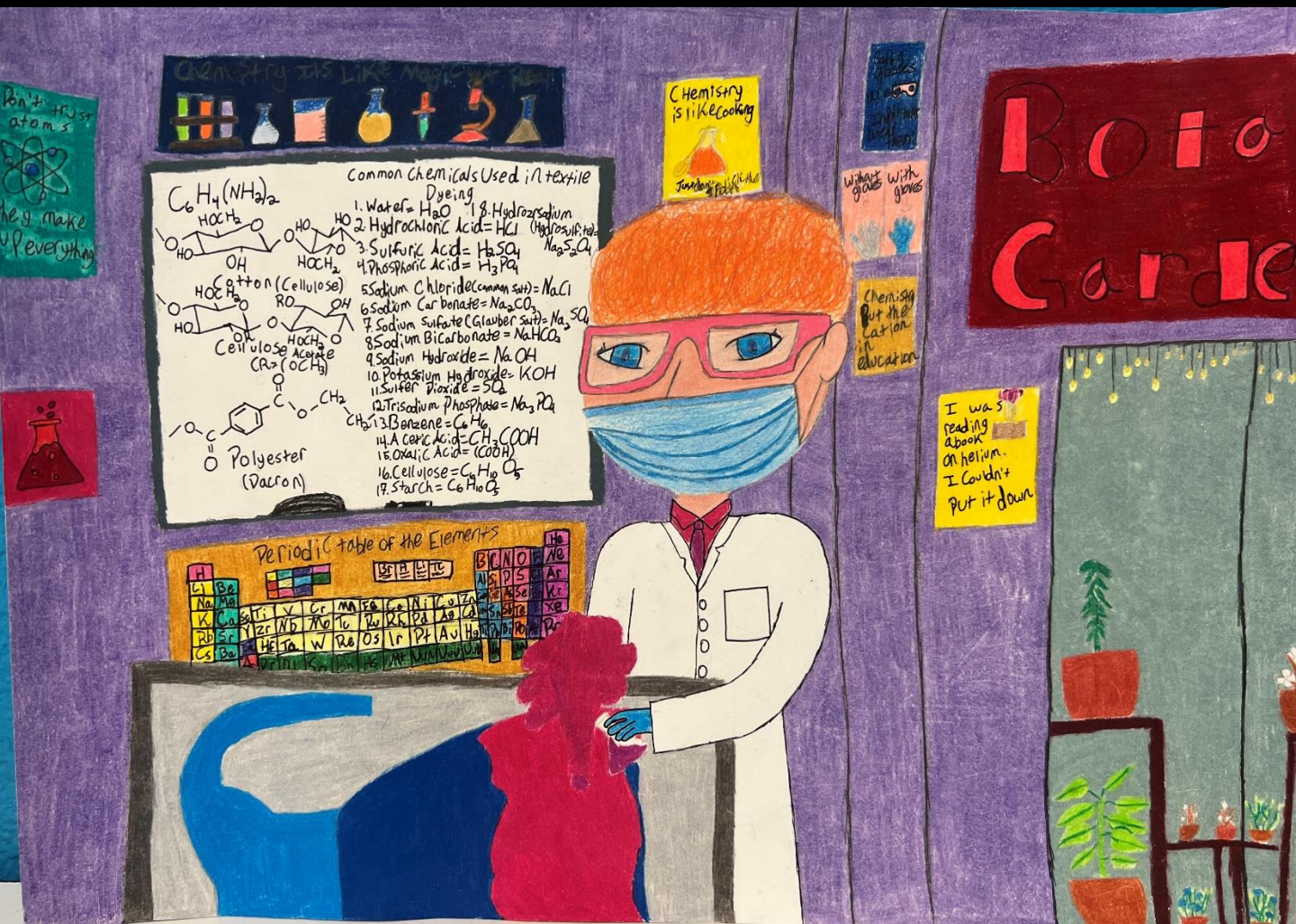
Itsi Huerta



Fabulous Fibers: The Chemistry Of Fibers, Familial Fibers

A-Tech
(Kevin Chung)

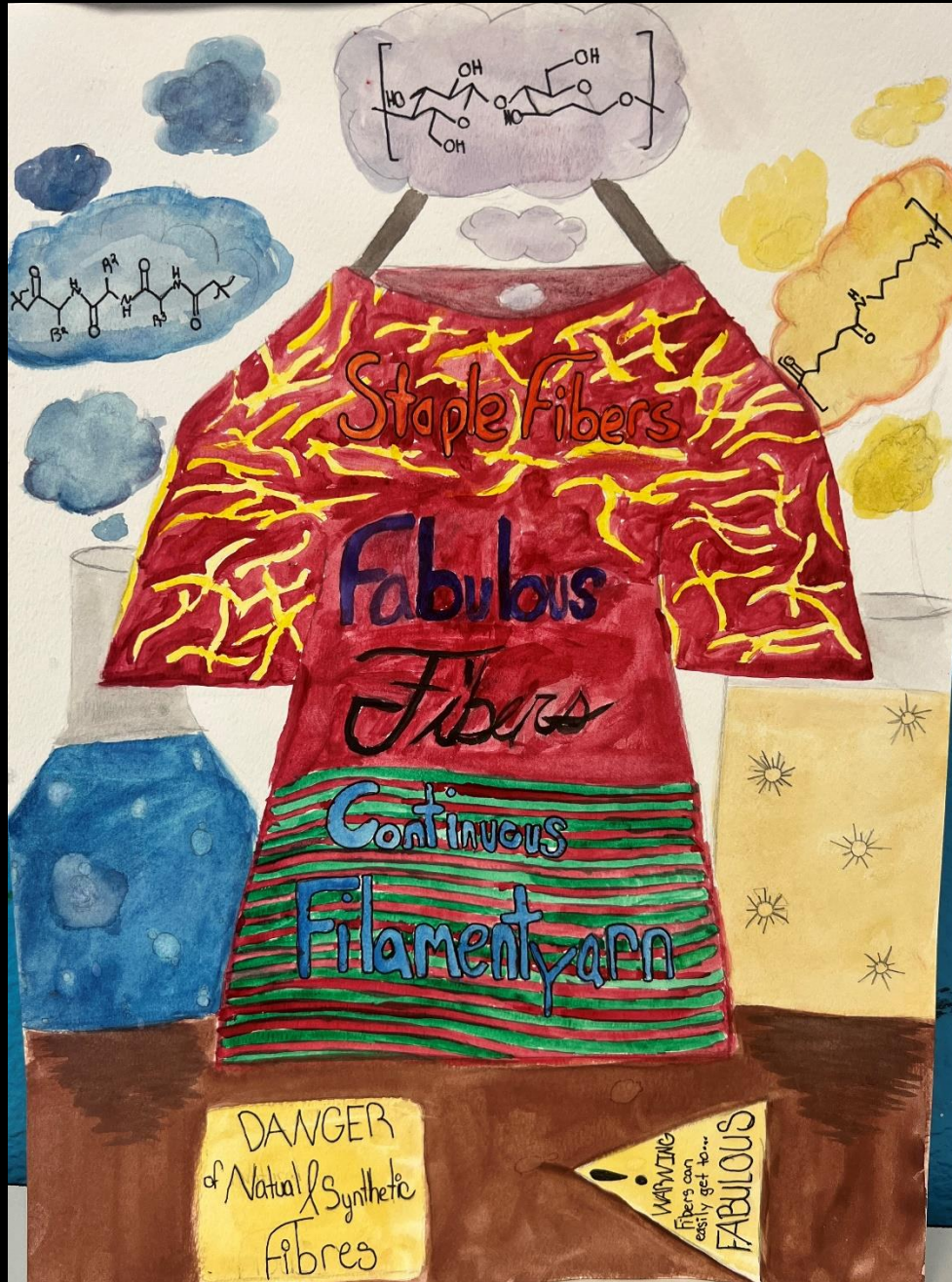
Raven Sharpe



Color Changing Fabrics

Foothill HS
(Sarah Eames)

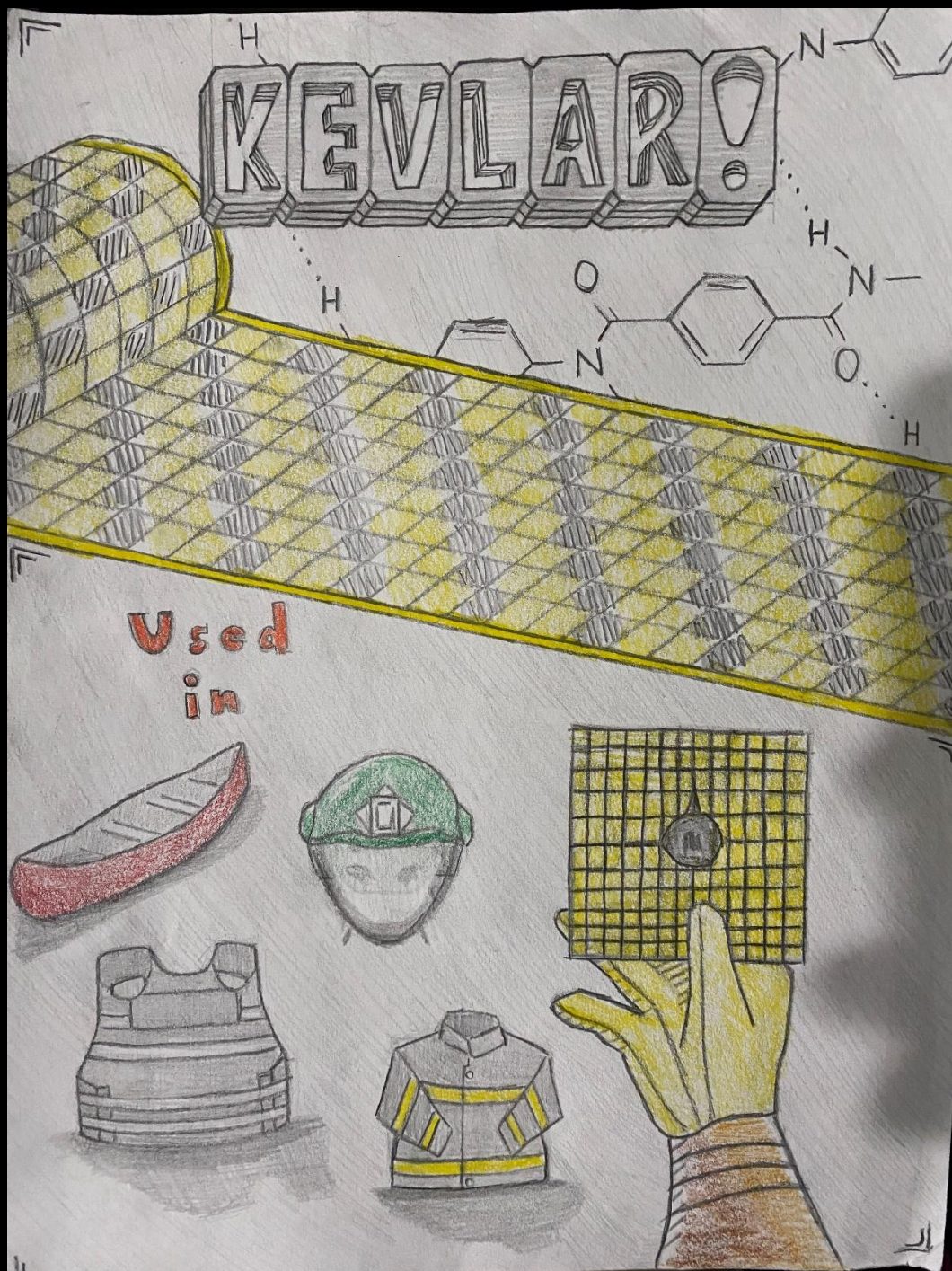
Jessica Fredrickson



Fabulous Fabrics

Foothill HS
(Sarah Eames)

David Hernandez Borquez



Kevlar!

A-Tech
(Kevin Chung)

Third Place

Briny Levi

A-Tech
(Kevin Chung)

EXABULOUS



Weaving

Second Place

Naomi Flores

A-Tech
(Kevin Chung)

fabulous fibers!

The Chemistry of Fabrics



First Place

Vincent
Ancheta

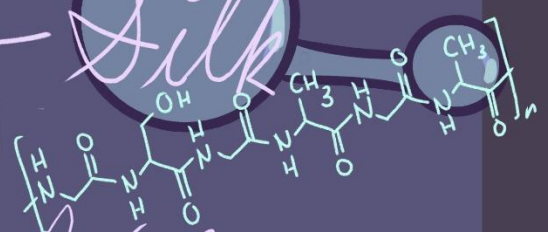
A-Tech
(Kevin Chung)

Chemistry

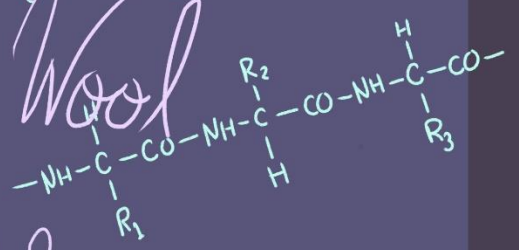
"There's more to fashion than just clothes"



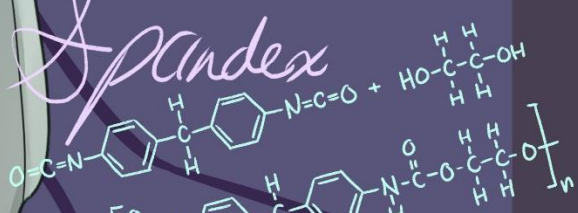
Silk



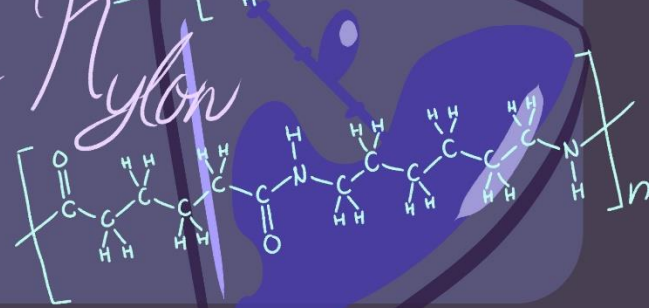
Wool



Spandex



Nylon



Fabulous Fibers

More Than Just Clothes

Acknowledgements

- **CCSD School-Community Partnership Program – Cheryl Wagner and Katherine DeSimone**
- **Executive Committee of the Southern Nevada Section of the American Chemical Society**
- **All the high school students and teachers at the Clark County School District who participated in this event**

2021 Southern Nevada Section Executive Committee.

- Chair – Roger Rennels
- Chair-Elect – Alice Branton
- Immediate Past-Chair – Roger Rennels
- Treasurer – Kazumasa Lindley
- Secretary – Margaret Novack
- Councilor – Kazumasa Lindley
- Alternate Councilor – Roger Rennels
- Member-at-Large – Jeremy Cho
- Member-at-Large – Josh Monk
- Western Regional Board Representative – Rampur Viswanath

Thank you:
Flaming Hotel
and Casino



WESTERN REGIONAL MEETING 2022

BUILDING
CHEMISTRY FOR
OUR FUTURE



OCTOBER 20-22

FLAMINGO HOTEL

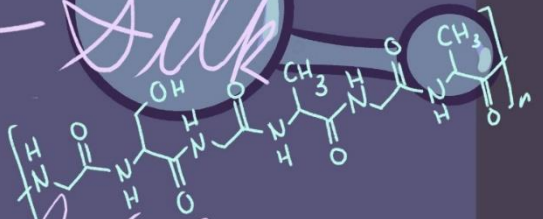
LAS VEGAS, NV

Chemistry

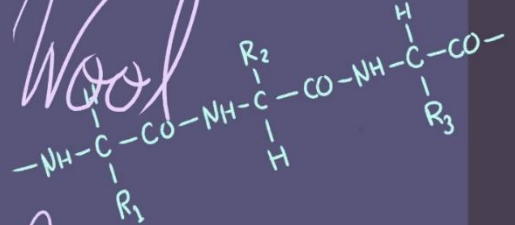
"There's ^{more} to fashion than just clothes"



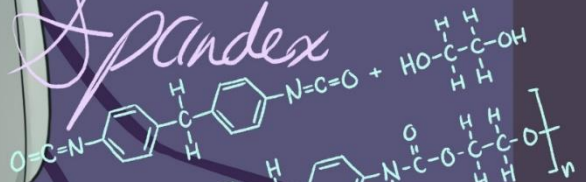
Silk



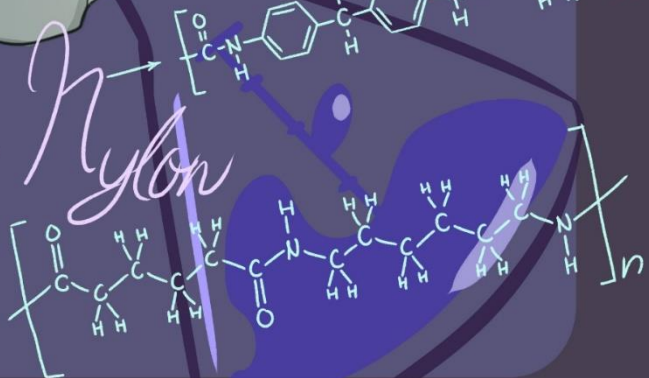
Wool



Spandex



Nylon



Fabulous Fibers

More Than Just Clothes