

# Annual Report 2017-2018



## SANTA FE ALLIANCE FOR SCIENCE



**We listen. We learn. We evolve.**

# Our 2017-2018 Investment in STEM Learning

Thanks to the many volunteers, donors and partners who support our mission, below is a snapshot of our collective impact:



**111 volunteers**

(scientists & STEM professionals)

donated

**2,250 hours**

to inspire  
the inner scientist  
in Santa Fe students.

## Science Fairs



**2,084 students** participated at **23 schools**  
in the Santa Fe Public Schools (SFPS) and at the district-wide Expo.



**66 volunteer scientists** judged  
**1,730 science projects.**



**553 high school students** received  
**one-on-one coaching.**

## Classroom Visits



**3,342 students** in **166 classrooms** at  
**21 schools** took part in a elementary/  
middle school science experiment.

**110 science teachers** received  
our Science Fair Resource Guide.



## Tutoring

**1,200 students** at three high schools  
and at the Santa Fe Community College  
received help in math and science.

## Teen Science Cafes



Co-hosted **five interactive science  
presentations** attended by  
**150 middle/high school students**,  
their families and science teachers. *Co-hosted  
by the Santa Fe Indian School & community partners.*

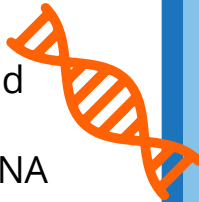
## STEM Family Nights



**2,300 students and their families**  
joined in STEM events at **20 schools**,  
*co-sponsored by SFAFS and the LANL Foundation.*

### Our investment in Santa Fe teachers and schools:

- **\$12,000** of science equipment and supplies for middle and high school science departments
- **12 teachers** were equipped and trained to engage approximately **1,065 students** each year in DNA sequencing labs
- **A pilot science literacy project** was funded at Salazar Elementary School that provided coaching to **K-4 teachers**



We hosted a **first-ever** networking event for Santa Fe science teachers.



### At SFPS's STEM Expo, we awarded:

- **24** Expo winners with cash gifts
- **42** judge's choice awards
- **29** stipends for science teachers who coordinate a science fair



## What's so cool about science fair projects? Here's what 3 Capital High seniors had to say.

**Eli** • Loves to exercise, lift weights and learn about neurochemicals. His science project focused on how sound influences how we think and feel and he wanted to *"dig deeper into how binaural beats can affect us. If I listen to certain binaural beats, could I do more reps at the gym? Science fairs opened up my mind to what problems can be solved."*  
**Eli took 3rd in Human Behavior at regionals and at state.**



Oscar, Xavier & Eli

**Oscar** • Got interested in RIFA (red imported fire ants) after learning how these ants built islands after Hurricane Harvey and overtook other insects. He created a computer science simulation project to determine how fast RIFA can destroy an ecosystem. *"I learned that there are no natural predators to these ants except the foot."*  
**Oscar took 2nd in Animal Science at regionals and competed in state.**

*"We hear a lot about sports and theater at school...but what about science?! We want to get out there."*

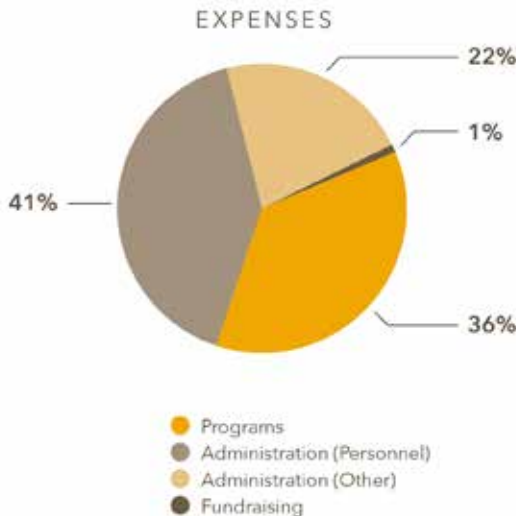
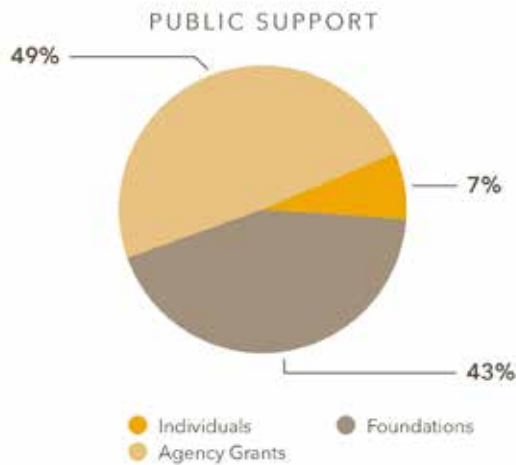
**Xavier** • Researched how sound frequency affects reptile eating habits and behaviors after he got bit on his ear by his bearded dragon while playing his guitar. *"We can affect dogs and humans with sounds so I wanted to explore this topic further."*  
**Xavier took 1st at regionals in Animal Science and 2nd at state.**

*"The judges help students figure out an idea and push them outside the box."*



## FINANCIAL RESOURCES

Each year we create STEM learning opportunities for approximately 6,500 Santa Fe students. The following charts describe the financial support we receive from individuals, foundations, and agencies and how those dollars are spent. Our dedicated volunteers also contribute their invaluable time and energy to our cause.



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**Thank you** for supporting our work!

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