



# AWARDS CEREMONY!

2023 Science Olympiad State Championships  
Division C

The background features a dark blue and purple gradient with faint, semi-transparent chemical structures and atomic models. On the left, there are skeletal structures of organic molecules with labels for atoms like N, O<sub>2</sub>, and H. On the right, there are Bohr-style atomic models with a central nucleus and orbiting electrons. The overall theme is scientific and celebratory.

# CONGRATULATIONS!

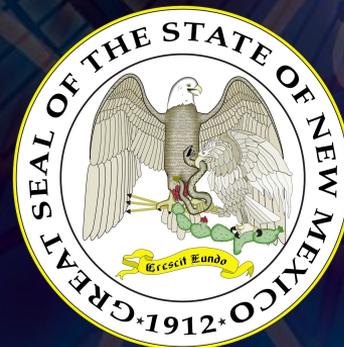
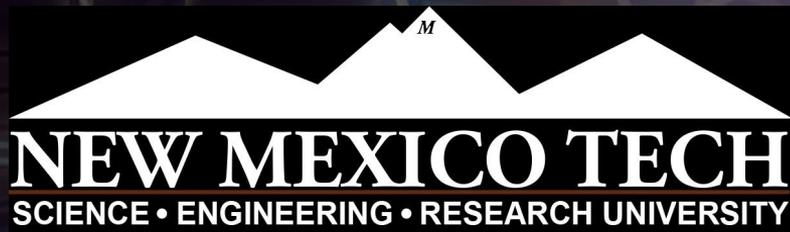
You did it! You got to state! And did great stuff!

# GRATITUDE

Thank you!!

- Coaches
- Parents
- Event Supervisors/Arbitrators/Scoremasters
- NMT departments
- Volunteers
- Facilities
- NMT Dining
- STEM Outreach TEAM!
- Science Olympiad Director

...and of course our Science Olympians!!!



# NEUROPLASTICITY

Neu·ro·plas·tic·i·ty

NOUN

the ability of the brain to form and reorganize synaptic connections, especially in response to learning or experience or following injury

# FERMI QUESTION!

How many thoughts do we have everyday?

- A. 700
- B. 7,000
- C. 70,000
- D. 700,000

# RETICULAR ACTIVATING SYSTEM (RAS)

## The RAS

- A. Is the gatekeeper of information into the brain
- B. Is a bundle of neurons about the size of your little finger at the of your spinal column
- C. Helps your brain decide what information is important and what isn't based on your questions

(Raise your hand to all that apply)

# AERIAL SCRAMBLE

**1** Los Lunas High School, LLHS

**2** Deming High School, DHS

**3** Hobbs High School, HHS  
(+0.01)\*

**4** Lovington High School, LHS

**5** Albuquerque Academy, AA SO

**6**

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# ANATOMY AND PHYSIOLOGY

**1** Albuquerque Academy, AA SO

**2** Albuquerque Area  
Homeschoolers, AAH (+0.01)\*

**3** Hobbs High School, HHS  
(+0.01)\*

**4** Farmington High School, FHS  
Green

**5** La Cueva High School, LCHS  
NM

San Juan College High School,  
SJCHS

Las Cruces High School, Las  
Cruces High Sc...

Lovington High School, LHS

Socorro High School, Socorro  
high School

Piedra Vista High School, PVHS

**6**

**7**

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**9**

**10**

# ASTRONOMY

1

Socorro High School, Socorro  
high School

2

Albuquerque Academy, AA SO

3

Las Cruces High School, Las  
Cruces High Sc...

4

Los Lunas High School, LLHS

5

Centennial High School,  
Centennial

Cottonwood Classical  
Preparatory School, CCPS

6

La Cueva High School, LCHS  
NM

7

V Sue Cleveland High School,  
VSCHS SO

8

Organ Mountain HS, OMHS

9

Cloudcroft High School,  
Cloudcroft HS

10

# BRIDGE

**1** Silver High School, SHS (+0.02)\*

**2** Albuquerque Academy, AA SO

**3** San Juan College High School,  
SJCHS

**4** Lovington High School, LHS

**5** Cottonwood Classical  
Preparatory School, CCPS

Albuquerque Area  
Homeschoolers, AAH (+0.01)\*

Farmington High School, FHS  
Green

Socorro High School, Socorro  
high School

Centennial High School,  
Centennial

Las Cruces High School, Las  
Cruces High Sc...

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# CELL BIOLOGY

1

Socorro High School, Socorro  
high School

2

Centennial High School,  
Centennial

3

Albuquerque Academy, AA SO

4

Cottonwood Classical  
Preparatory School, CCPS

5

Hobbs High School, HHS  
(+0.01)\*

Lovington High School, LHS

6

Cloudcroft High School,  
Cloudcroft HS

7

Organ Mountain HS, OMHS

8

Los Lunas High School, LLHS

9

Las Cruces High School, Las  
Cruces High Sc...

10

# CHEM LAB

**1** Lovington High School, LHS

**2** La Cueva High School, LCHS  
NM

**3** Albuquerque Academy, AA SO

**4** Hobbs High School, HHS  
(+0.01)\*

**5** V Sue Cleveland High School,  
VSCHS SO

Los Lunas High School, LLHS

Cottonwood Classical  
Preparatory School, CCPS

Las Cruces High School, Las  
Cruces High Sc...

Socorro High School, Socorro  
high School

Silver High School, SHS (+0.02)\*

**6**

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# CODEBUSTERS

1

Albuquerque Area  
Homeschoolers, AAH (+0.01)\*

2

Lovington High School, LHS

3

Ruidoso High School, RHS

4

Cottonwood Classical  
Preparatory School, CCPS

5

Albuquerque Academy, AA SO

Socorro High School, Socorro  
high School

Las Cruces High School, Las  
Cruces High Sc...

Centennial High School,  
Centennial

La Cueva High School, LCHS  
NM

Silver High School, SHS (+0.02)\*

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# CYBERSECURITY

**1** Silver High School, SHS (+0.02)\*

**2** V Sue Cleveland High School,  
VSCHS SO

**3** Ruidoso High School, RHS

**4** Centennial High School,  
Centennial

**5** Deming High School, DHS

Los Lunas High School, LLHS **6**

Socorro High School, Socorro  
high School **7**

Las Cruces High School, Las  
Cruces High Sc... **8**

**9**

**10**

# DETECTOR BUILDING

**1** Piedra Vista High School, PVHS

**2** La Cueva High School, LCHS  
NM

**3** Albuquerque Area  
Homeschoolers, AAH (+0.01)\*

**4** Hobbs High School, HHS  
(+0.01)\*

**5** Deming High School, DHS

Socorro High School, Socorro  
high School

Hatch Valley High School, HVHS

Silver High School, SHS (+0.02)\*

Lovington High School, LHS

Hobbs Freshman School,  
Hobbs Freshman School

**6**

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# DISEASE DETECTIVES

- 1 Albuquerque Area Homeschoolers, AAH (+0.01)\*
- 2 Hobbs High School, HHS (+0.01)\*
- 3 Albuquerque Academy, AA SO
- 4 Cottonwood Classical Preparatory School, CCPS
- 5 La Cueva High School, LCHS NM

- 6 Las Cruces High School, Las Cruces High Sc...
- 7 Hobbs Freshman School, Hobbs Freshman School
- 8 Organ Mountain HS, OMHS
- 9 V Sue Cleveland High School, VSCHS SO
- 10 Centennial High School, Centennial

# DYNAMIC PLANET

- 1 Albuquerque Academy, AA SO
- 2 Cottonwood Classical Preparatory School, CCPS
- 3 Socorro High School, Socorro high School
- 4 La Cueva High School, LCHS NM
- 5 Albuquerque Area Homeschoolers, AAH (+0.01)\*

Silver High School, SHS (+0.02)\*

Hobbs High School, HHS  
(+0.01)\*

Cloudcroft High School,  
Cloudcroft HS

San Juan College High School,  
SJCHS

V Sue Cleveland High School,  
VSCHS SO

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# ENVIRONMENTAL CHEMISTRY

**1** Silver High School, SHS (+0.02)\*

**2** Albuquerque Academy, AA SO

**3** Los Lunas High School, LLHS

**4** Las Cruces High School, Las Cruces High Sc...

**5** Lovington High School, LHS

Farmington High School, FHS  
Green

V Sue Cleveland High School,  
VSCHS SO

La Cueva High School, LCHS  
NM

Hatch Valley High School, HVHS

Centennial High School,  
Centennial

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# EXPERIMENTAL DESIGN

1

La Cueva High School, LCHS  
NM

2

V Sue Cleveland High School,  
VSCHS SO

3

Lovington High School, LHS

4

Cottonwood Classical  
Preparatory School, CCPS

5

Socorro High School, Socorro  
high School

Las Cruces High School, Las  
Cruces High Sc...

Albuquerque Area  
Homeschoolers, AAH (+0.01)\*

Centennial High School,  
Centennial

Albuquerque Academy, AA SO

Cloudcroft High School,  
Cloudcroft HS

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# FERMI QUESTIONS

**1** Silver High School, SHS (+0.02)\*

**2** Albuquerque Academy, AA SO

**3** Deming High School, DHS

**4** La Cueva High School, LCHS  
NM

**5** Ruidoso High School, RHS

Hobbs High School, HHS  
(+0.01)\*

Cottonwood Classical  
Preparatory School, CCPS

Las Cruces High School, Las  
Cruces High Sc...

Centennial High School,  
Centennial

Organ Mountain HS, OMHS

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# FLIGHT

- 1 Albuquerque Academy, AA SO
- 2 Hobbs High School, HHS (+0.01)\*
- 3 Lovington High School, LHS
- 4 Albuquerque Area Homeschoolers, AAH (+0.01)\*
- 5 Socorro High School, Socorro high School

Farmington High School, FHS  
Green

Cloudcroft High School,  
Cloudcroft HS

San Juan College High School,  
SJCHS

Los Lunas High School, LLHS

Deming High School, DHS

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# FORENSICS

- 1 La Cueva High School, LCHS  
NM
- 2 Las Cruces High School, Las  
Cruces High Sc...
- 3 Albuquerque Academy, AA SO
- 4 Lovington High School, LHS
- 5 Centennial High School,  
Centennial

Silver High School, SHS (+0.02)\*

Deming High School, DHS

Cloudcroft High School,  
Cloudcroft HS

Hatch Valley High School, HVHS

San Juan College High School,  
SJCHS

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# FORESTRY

1

La Cueva High School, LCHS  
NM

2

Las Cruces High School, Las  
Cruces High Sc...

3

Socorro High School, Socorro  
high School

4

V Sue Cleveland High School,  
VSCHS SO

5

Silver High School, SHS (+0.02)\*

Ruidoso High School, RHS

6

Centennial High School,  
Centennial

7

Hobbs High School, HHS  
(+0.01)\*

8

Lovington High School, LHS

9

Cottonwood Classical  
Preparatory School, CCPS

10

# GREEN GENERATION

1

Las Cruces High School, Las Cruces High Sc...

2

Lovington High School, LHS

3

Albuquerque Academy, AA SO

4

Socorro High School, Socorro high School

5

V Sue Cleveland High School, VSCHS SO

La Cueva High School, LCHS NM

6

Organ Mountain HS, OMHS

7

Hobbs Freshman School, Hobbs Freshman School

8

Hobbs High School, HHS (+0.01)\*

9

Ruidoso High School, RHS

10

# IT IS ABOUT TIME

**1** Albuquerque Academy, AA SO

**2** La Cueva High School, LCHS  
NM

**3** Albuquerque Area  
Homeschoolers, AAH (+0.01)\*

**4** Hobbs High School, HHS  
(+0.01)\*

**5** Lovington High School, LHS

V Sue Cleveland High School,  
VSCHS SO

Las Cruces High School, Las  
Cruces High Sc...

Hatch Valley High School, HVHS

Los Lunas High School, LLHS

Silver High School, SHS (+0.02)\*

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# REMOTE SENSING

- 1 Lovington High School, LHS
- 2 Socorro High School, Socorro high School
- 3 V Sue Cleveland High School, VSCHS SO
- 4 La Cueva High School, LCHS NM
- 5 Albuquerque Academy, AA SO

- Centennial High School, Centennial
- Las Cruces High School, Las Cruces High Sc...
- Cloudcroft High School, Cloudcroft HS
- Hobbs High School, HHS (+0.01)\*
- Silver High School, SHS (+0.02)\*

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# ROCKS AND MINERALS

1

Socorro High School, Socorro  
high School

2

Cottonwood Classical  
Preparatory School, CCPS

3

Albuquerque Academy, AA SO

4

San Juan College High School,  
SJCHS

5

Lovington High School, LHS

Hobbs Freshman School,  
Hobbs Freshman School

Farmington High School, FHS  
Green

Hobbs High School, HHS  
(+0.01)\*

Albuquerque Area  
Homeschoolers, AAH (+0.01)\*

Las Cruces High School, Las  
Cruces High Sc...

6

7

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# SCRAMBLER

1

Albuquerque Area  
Homeschoolers, AAH (+0.01)\*

2

Lovington High School, LHS

3

V Sue Cleveland High School,  
VSCHS SO

4

Socorro High School, Socorro  
high School

5

Albuquerque Academy, AA SO

Farmington High School, FHS  
Green

Hobbs High School, HHS  
(+0.01)\*

Los Lunas High School, LLHS

San Juan College High School,  
SJCHS

Hobbs Freshman School,  
Hobbs Freshman School

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# SOLAR POWER

1

V Sue Cleveland High School,  
VSCHS SO

2

Deming High School, DHS

3

4

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# TRAJECTORY

**1** Los Lunas High School, LLHS

**2** Socorro High School, Socorro high School

**3** Lovington High School, LHS

**4** Centennial High School, Centennial

**5** Cottonwood Classical Preparatory School, CCPS

Las Cruces High School, Las Cruces High Sc...

Cloudcroft High School, Cloudcroft HS

Piedra Vista High School, PVHS

San Juan College High School, SJCHS

V Sue Cleveland High School, VSCHS SO

**6**

**7**

**8**

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# WIFI LAB

1

Cottonwood Classical  
Preparatory School, CCPS

2

La Cueva High School, LCHS  
NM

3

Albuquerque Academy, AA SO

4

Lovington High School, LHS

5

Hobbs High School, HHS  
(+0.01)\*

Albuquerque Area  
Homeschoolers, AAH (+0.01)\*

6

Socorro High School, Socorro  
high School

7

Centennial High School,  
Centennial

8

Deming High School, DHS

9

Los Lunas High School, LLHS

10

# WRITE IT DO IT

1

Socorro High School, Socorro  
high School

2

Centennial High School,  
Centennial

3

Lovington High School, LHS

4

Piedra Vista High School, PVHS

5

Albuquerque Academy, AA SO

San Juan College High School,  
SJCHS

Las Cruces High School, Las  
Cruces High Sc...

Organ Mountain HS, OMHS

Hobbs Freshman School,  
Hobbs Freshman School

Hatch Valley High School, HVHS

6

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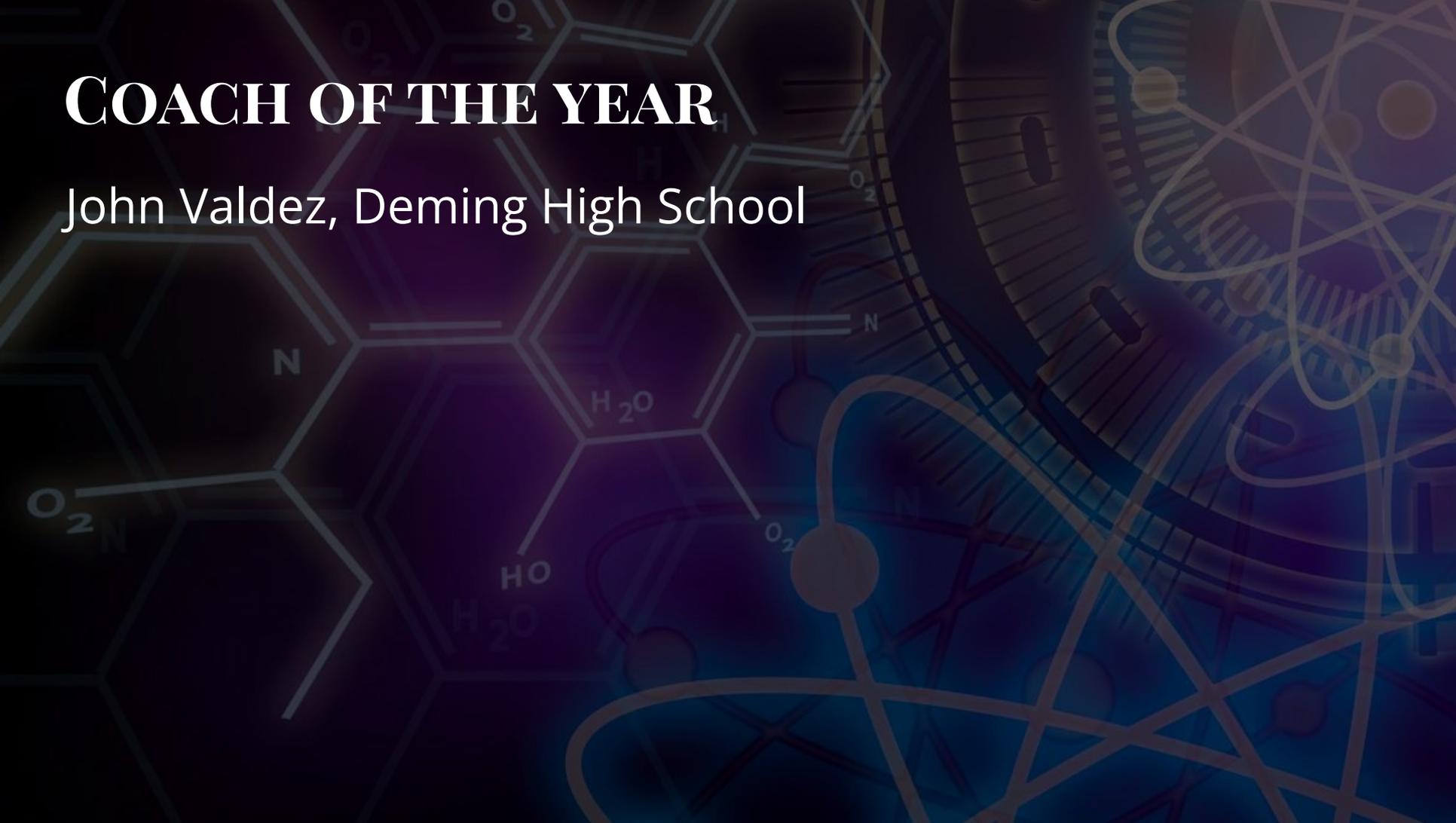
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# COACH OF THE YEAR

John Valdez, Deming High School



# **SPIRIT AWARD**

Socorro High School

*for their incredible selflessness and sportsmanship  
(sciencemanship)!*



**OVERALL RESULTS!**

# OVERALL PLACE

1<sup>ST</sup>

**Albuquerque Academy, AA SO**

2<sup>ND</sup>

Lovington High School, LHS

3<sup>RD</sup>

Socorro High School, Socorro high School

4<sup>TH</sup>

La Cueva High School, LCHS NM

5<sup>TH</sup>

Las Cruces High School, Las Cruces High Sc...