



Academy of Science and Technology

NEWSCLIPPINGS

Dr. Susan Caffery, Headmaster

Volume 16 Issue 31 March 31, 2023

Upcoming Events

From the Headmaster

Last weekend was full of competitions: science fair, robotics and Destination Imagination. Please read our exciting news below!

Apr 4
DLS

Susan M. Caffery, Ed.D. LPC

Apr 7-10
Easter Holiday

AST Trivia

Mark your calendars for **April 12** for the **Annual AST Trivia Night!** (6-8 pm in the Commons). Students may select their teams, select a team name, and register them.

- Teams may be composed of 5-12 members and are encouraged to dress in theme!
- Adults, teachers, parents may join teams or create their own!
- The team leader is responsible for registering the team using the following link: <https://www.surveymonkey.com/r/ASTTrivia2023>
- The fee is \$10 per person and includes pizza, cookies, water, etc. The link to pay is: <https://conroeisd.schoolcashonline.com/Fee/Details/39923/195/False/True>
- Prizes are awarded to the winning teams.
- The winning team's name will be added to the Golden Brain!



The DEADLINE to register and pay is April 7!

Apr 12
AST Trivia Night

Apr 17
PAST Board meeting

Apr 18
STAAR Eng I & II

Apr 19-22
FIRST Champs

The Woodlands GREEN Scholarship

The Woodlands GREEN Scholarship Program awards cash scholarships, up to \$1000 each, to high school seniors residing in The Woodlands and nearby communities who exemplify a commitment to preserving the environment and who plan to continue their education or vocational training after graduation in an environmental field. **Application period is Feb 1 to March 31.**

Apr 21
TWCP Prom

Apr 21-25
DECA ICDC

Additional information can be found on the attached scholarship application form - attached. Please email John Geiger (johndgeiger@gmail.com) with any questions.

April 25
Biology & US History EOC

Copies are available in the Academy office.

Apr 26
Honor Grad Breakfast

Distinguished Lecture Series

We have an upcoming lecture in April. Lectures begin at 6pm via webinar. Information can be found in Canvas along with the Exploration Forms.

May 1-5
8-12
AP Exams

May 7
AST Senior
Gala

May 10
Freshman
Research
Symposium

May 11
PAST Gen &
Dessert
Reception

May 14-19
Regeneraon
ISEF

May 18
TWCP Grad

May 20-24
DI Glboal

May 26-28
Fish Camp

Aug 6
AST Pool
Party

- April 4, Akhilesh Tripathi, Ph.D. *X-Ray Diffraction: A Technique to Elucidate Identification of All Materials in the World*

TX SEF

Thirty-six students competed in the recent Texas Science and Engineering Fair. The Academy had its best performance ever at this event with 13 projects earning place awards. Additionally, four more projects qualified for Regeneron ISEF.



The place awards follow:

| | | |
|--|--|-----|
| Siddanth Pachipala | Behavioral and Social Sciences | 1st |
| Pranav Somani | Behavioral and Social Sciences | 3rd |
| Roshan Mehta Rohan Mehta Shreyas Vatts | Biomedical Engineering | 1st |
| Shivani Mundra Madelyn Puza | Chemistry | 1st |
| Rishab Ghosh | Earth and Environmental Sciences | 3rd |
| Inu Baek Rohit Pillutla | Embedded Systems | 1st |
| Ricardo Victorio | Energy: Sustainable Materials & Design | 1st |
| Henry Aceves Donovan Burke | Engineering Technology: Statics and Dynamics | 1st |
| Jessica Bird | Engineering Technology: Statics and Dynamics | 2nd |
| Rebecca Garza | Engineering Technology: Statics and Dynamics | 3rd |
| Raj Mhetar | Materials Science | 1st |
| Jesse Miller | Physics and Astronomy | 2nd |
| Justin Huang Srinayan Kumbham Dawson Zhang | Systems Software | 2nd |

The team of Shivani Mundra and Madelyn Puza earned an Honorable Mention in the Best of Show Category.

Students who qualified for Regeneron ISEF: Raj Mhetar, Inu Baek and Rohit Pillutla, Siddhanth Pachipala, and Ricardo Victorio.

Regeneron ISEF Finalists:

The Academy is sending 18 students to the Regeneron ISEF in May. We are proud of the students who advanced with these 12 projects. (Teams are color-coded)

| | | |
|---|-----------|-----------|
| Behavioral and Social Sciences | Somani | Pranav |
| Biomedical Engineering | Vatts | Shreyas |
| Biomedical Engineering | Mehta | Roshan |
| Biomedical Engineering | Mehta | Rohan |
| Chemical Engineering: Materials Science | Patel | Sohi |
| Chemistry | Puza | Madelynn |
| Chemistry | Mundra | Shivani |
| Earth and Environmental Sciences | Ghosh | Rishab |
| Engineering Mechanics | Aceves | Henry |
| Engineering Mechanics | Burke | Donovan |
| Physics and Astronomy | Miller | Jesse |
| Plant Sciences | Desai | Anshul |
| Plant Sciences | Li | Felix |
| Chemistry | Mhetar | Raj |
| Behavioral and Social Sciences | Pachipala | Siddhanth |
| Embedded Systems | Pillutla | Rohit |
| Embedded Systems | Baek | Inu |
| Energy and Transportation | Victorio | Ricardo |

Destination Imagination

The Academy sent three teams to the State Destination Imagination competition, Work in Progress, The Wild Cowgirls, and the Dream Team. Two teams qualified for DI Globals in May:

Work in Progress: *Parnika Hangal, Lizbeth Er, Ashley Fong, Prachi Natoo, Owen Harris, and Irish Shen.*

The Wild Cowgirls: *Ana Del Angel Aguilar, Annabelle Harvey, Sophia Ali, Medha Suraj, Gwendolyn Butler, and Ikram Samiya.*

Congratulations to all the teams who competed!

FIRST Robotics: Texas Torque, Team 1477

Texas Torque competed in the second district-level competition. They were among the top 5 performing robots and ended the competition in Round 4 against the number one alliance. Texas Torque's performance maintained the 50+ EPA.



Shreyas Vatts won the Dean's List Award and now advances to compete for the Dean's List award at the District Championship.

Changes to PSAT and SAT

The College Board has announced the following:

- PSAT will be going digital in October 2023
- SAT will be going digital in March 2024.

Q. What are the changes in the Structure?

- Scoring will remain on the 1600 scale
- Shorter testing time – 2 hours instead of 3.25 hours
- Adaptive scoring- performance on the first section of topic affects the difficulty of the second section
- More time per question
- No more long reading passages
- Built in Desmos graphing calculator for ALL math questions

Q. What are the changes in Logistics?

- Moving to an all-digital format. Bring your own device or use one of College Board's
- Still test at a testing center
- Students will install the TESTING APP prior to testing day
- Digital PSAT will be much the same as the Digital SAT in structure
- Faster score report – in days rather than weeks

| | | | |
|-------------|----------------------|----------------|---------------|
| | SAT & SAT School Day | PSAT – Related | International |
| Spring 2023 | Paper | Paper | Digital |
| Fall 2023 | Paper | Digital | Digital |
| Spring 2024 | Digital | Digital | Digital |

Q. What does this mean for current juniors (Class of 2024)?

No changes for you!

Q. What does this mean for current sophomores?

- This does affect you!
- Prioritize ACT in the Fall 2023 to avoid SAT format switch in mid-year.
- Begin taking the SAT earlier so you are finished by December 2023
- For National Merit: Prep for the Digital PSAT in Summer 2023
- Test paper SAT in fall

Q. What does this mean for current freshmen?

- Prep for the Digital SAT
- Prep for the Digital PSAT

Thank you **Woodlands Test Prep** for sharing this information with me and posting on your website.

College Testing

Please check College Board and ACT for any updates to testing.



SAT Test Dates (collegeboard.org)

| Test Date | Normal Registration | Late Registration | Score Release |
|--------------|---------------------|-------------------|---------------|
| May 6, 2023 | April 8, 2023 | April 22, 2023 | May 19, 2023 |
| June 3, 2023 | May 6, 2023 | May 20, 2023 | June 16, 2023 |

ACT Test Dates (ACT.org)

| Test Date | Regular Registration | Late Registration | Photo Upload Deadline |
|----------------|----------------------|-------------------|-----------------------|
| April 15, 2023 | March 10, 2023 | March 24, 2023 | April 7, 2023 |
| June 10, 2023 | May 5, 2023 | May 19, 2023 | June 2, 2023 |
| July 15, 2023 | June 16, 2023 | June 23, 2023 | July 7, 2023 |

To receive SMS/text messages from Conroe ISD, or your child’s campus about timely issues including rainy day dismissal or campus updates, text “Y” to 67587.

| | | |
|--|---|--|
| | <p>SCHOOLMESSENGER CONROE ISD'S EMERGENCY NOTIFICATION SYSTEM</p>  <p>Stay informed with important school messages in the palm of your hand!</p> <p>Text "Y" to 67587</p> <p>Opt-In from your mobile phone now!</p>  <p><small>SCHOOLMESSENGER CONROE ISD</small></p> | |
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