

Fall Presentation 2019



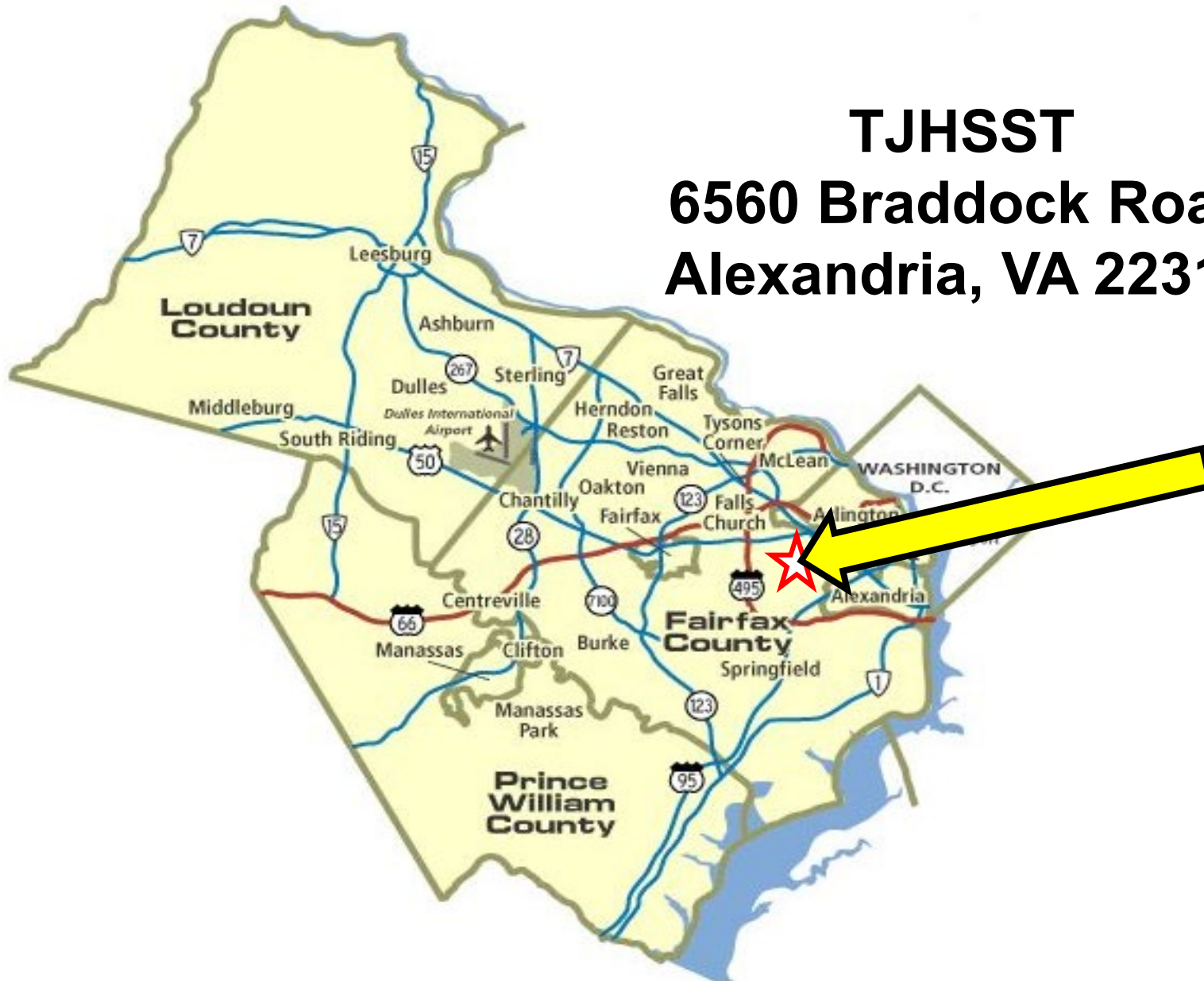
Agenda

- Overview of TJHSST
- The Admissions Process
 - Part I: Steps for Application
 - Part II: Testing Process
 - Part III: Selection Process
- Getting Ready
- Questions

TJHSST Mission Statement

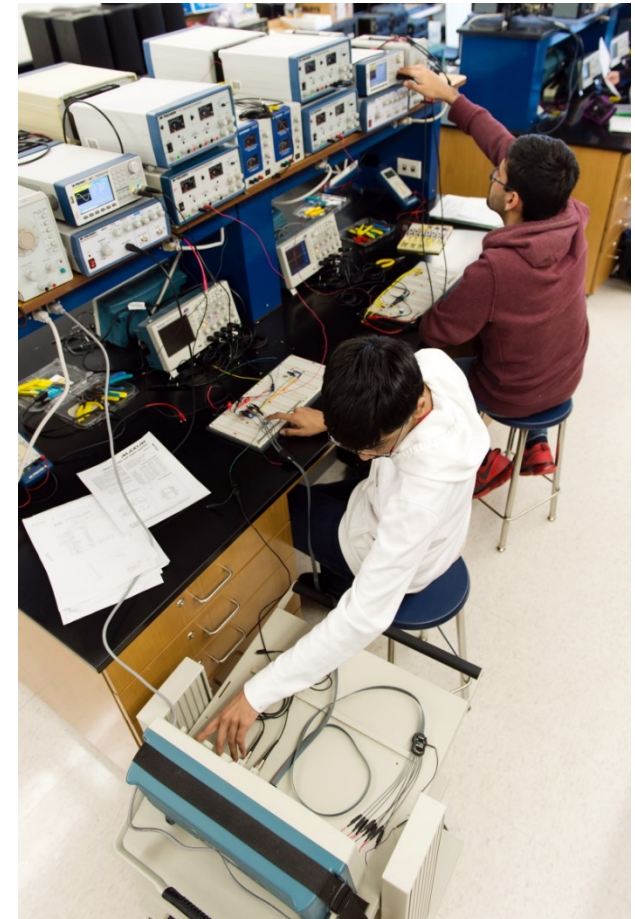
“The mission of Thomas Jefferson High School for Science and Technology is to provide students a **challenging learning environment** focused on math, science, and technology, to **inspire joy at the prospect of discovery**, and to **foster a culture of innovation** based on ethical behavior and the shared interests of humanity.”

TJHSST
6560 Braddock Road
Alexandria, VA 22312



What Makes TJ Different?

- Regional Governor's School for Science and Technology
- Students apply to attend
- All courses taught on honors, AP, or post-AP level
- Research-based learning beginning in 9th grade that focuses on connecting ideas and creating flexible class time



9th Grade - IBET

- Integrated Biology, English & Technology
- Flexible class time
- Field trips
- Research-based learning



Sophomore & Junior Year

STEM-Related Electives and Activities

JUMP Lab (Jefferson Underclassmen Multidiscipline Project)



Senior Year – Research Laboratories

- Astronomy & Astrophysics
- Automation & Robotics
- Biotechnology
- Chemical Analysis & Nanochemistry
- Computer Systems
- Energy Systems
- Engineering Design
- Microelectronics
- Mobile and Web Application Development
- Neuroscience
- Oceanography & Geographical Systems
- Prototyping & Engineering Materials
- Quantum Physics & Optics

Mentorship: include but not limited to Children's National Medical Center, NIH, MITRE Corp, Naval Research Lab, GMU, GWU, Smithsonian, Northrop Grumman, Georgetown University Medical Center

TJ - More Than Science and Tech

- Electives offered in all subject areas
- Fine Arts and Performing Arts
- World languages
 - Chinese, French, German, Japanese, Latin, Russian, Spanish



Eighth Period

- In-school activity period Wednesdays & Fridays
- Each week divided into four sections
- Over 180 clubs and activities
- Create your own!



TJHSST Athletics

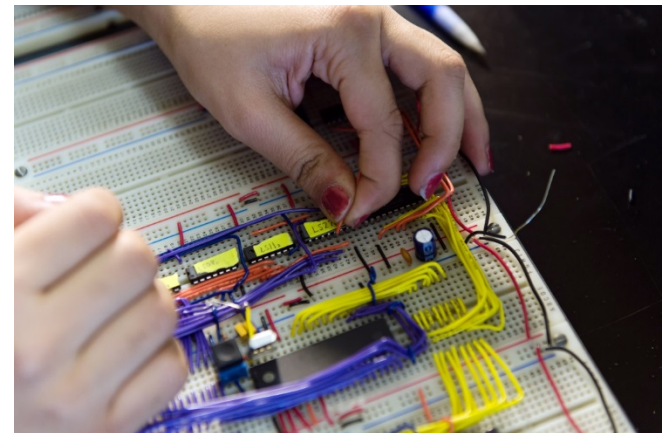
- Full complement of competitive VHSL teams
 - ✓ Varsity, Junior Varsity and Freshmen Teams
- Fall, Winter and Spring Seasons
- Tradition of Success
- Teams play and practice after school



The TJHSST Day



- School Hours
 - 8:40 am – 4:00 pm
- 8 Periods (instead of 7)
- Block Scheduling
- Common Lunch
- No Bells!



What is TJHSST looking for?

- ❑ Evidence of **academic\achievement** in school



- ❑ Demonstration of **genuine interest/
curiosity/creativity** in STEM

Is TJ Looking for You?

Can you answer these questions

- ✓ What about **STEM** are you interested in and why?
- ✓ What have you done to pursue this interest?
- ✓ What did you learn or hope to learn from your **STEM** experience(s)?
- ✓ Why **TJ**?
- ✓ Are you involved in after-school clubs with a **STEM** focus?
- ✓ Are you taking advantage of local resources that relate to **STEM**?

Eligibility Requirements

- ✓ 8th grade to apply to 9th
- ✓ Residency in a participating school division
- ✓ Algebra I or higher in 8th Grade
- ✓ 3.0 GPA in core classes at end of 7th grade

www.tjadmissions.org
Application Access



Thomas Jefferson High School for Science and Technology (TJHSST) Admissions

The admissions process to Thomas Jefferson High School for Science and Technology.



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TJHSST Freshman Winter Application Process



TJHSST Freshman Winter Application Process




TJHSST Class of 2024 (2019-2020 Applicants)

**Applications Available September 2 after
4:00 pm**

Steps for Application

[Home](#)[TJ Admissions](#)[TJHSST](#)[FCPS](#)[Help](#)[Contact Us](#)

 Thomas Jefferson High School for Science and Technology
Admissions

Applicant Portal

Log-In

If you are a Fairfax County Public School (FCPS) Student, enter your FCPS Student ID, Password and select the Log In button to access the Applicant Portal.
If you are not an FCPS Student, select the appropriate check box below and follow the instructions to access the Applicant Portal.

☐ Check here if this is your first time logging in and you do not have a user name. (This is for all applicants who are not FCPS students.)

User Name:

Password:

[Forgot Password?](#) [Forgot User Name?](#)

Steps for Application (Continued)

1. The **applicant must access** the Log-In Screen **prior to the parent** and complete the initial log-in process that includes entry of a parent name and email address.
2. Parent receives an auto-generated email containing the **link** for them to log-in and create the parent account.
3. TJ Liaison Counselor from applicant's school verifies math course. (Allow minimum 24 hours for this to be completed.) Auto-generated email is sent to applicant and parent after verification advising them they may complete the application.

Steps for Application (Concluded)

4. Applicant and parent must both electronically sign and parent must complete payment of \$100. Fee waivers are available upon request. (Payment of fee does not submit the application).
5. Submit application.
6. Auto-generated email will be sent to applicant and parent advising them application has been submitted.

Application Deadline

Friday, September 27

Application must be submitted before 4:00 p.m.



“Never put off ‘til tomorrow
what you can do today.”

- Thomas Jefferson

Test Day

November 9, 2019

- 16 test sites - (must choose a site in county of residence*)
 - 11 in Fairfax County
 - 3 in Loudoun County
 - 1 in Prince William County
 - 1 in Arlington County
- Testing accommodations and alternate date testing available upon written request

***Falls Church City applicants may select any site since we do not test within Falls Church City.**

TJHSST Admissions Testing Components

- Quant-Q Math
 - Multiple choice
- ACT Aspire Reading
 - Multiple choice
 - Constructed response
- ACT Aspire Science
 - Multiple choice
 - Constructed response

Three-hour (approximate) testing window with
15-minute break between math and reading tests

Test Specifics

Test	Math- Quant Q	Reading- Aspire	Science- Aspire
Time	50 minutes	65 minutes	60 minutes
Number of Questions	28	32	40
Measures	<ul style="list-style-type: none"> • Pattern Recognition • Probability Combinatorics • Out-of-the Box Algebra • Geometry and Optimization 	<ul style="list-style-type: none"> • Key Ideas and Details • Craft and Structure • Integration of Knowledge and Ideas 	<ul style="list-style-type: none"> • Interpretation of Data • Scientific Investigation • Evaluation of Models • Inferences • Experimental Design

January

Semifinalist Pool Determination

Decisions posted – January 17th

- Overall GPA of at least 3.0 (based upon final marks for 7th grade and first quarter 8th grade in core subjects)
- Mathematical Reasoning – at least 50th national percentile on Quant-Q
- Reading – at least 75th national percentile on Aspire Reading
- Science – at least 75th national percentile on Aspire Science

AND one of the following:

- Mathematical Reasoning – at least 75th national percentile on Quant-Q,
- or
- Science – at least 90th national percentile on Aspire Science

February

All semifinalists must:

- Get Teacher Recommendations
 - Applicant enters into system by **4:00 pm on January 24**
- Student Information Sheet and Student Essay Testing
 - Completed at test site on **Saturday, February 8**

March

Comprehensive holistic evaluation process of semifinalist materials performed by a team of highly qualified, veteran educators.

Semifinalist materials include:

- Teacher Recommendations
- Student Information Sheet
- Problem-Solving Essay
- GPA – (1) Core courses and (2) math/science GPA
- Admissions Testing Components National Percentiles
- Demographic sheet including name of 8th grade math course being taken

April

Admissions Notifications

- Notifications will post no later than **April 30** for those *offered* admission, *not offered* admission and in the *wait pool*
- Approximately **480** students will be admitted



Getting Ready – The “I am Ready” List

- ☐ Students – know the admissions process!
- ☐ Continue to work hard and keep up your grades
- ☐ Practice your math, basic and problem solving
- ☐ Practice your writing skills, especially responding to a problem-solving question in essay format
- ☐ If you are in Algebra 1 in 8th grade, become a master of each topic you cover as you move through the subject matter
- ☐ Be an enthusiastic learner
- ☐ Read, read, read!!!
- ☐ Quant-Q – no prep available
- ☐ ACT Aspire – exemplars available by ACT through a web search



Have a Plan “B”

Reality for the applicants from 2018-19 process....

- **2789** applied
 - Average percentiles – Quant Q 51st, Aspire Reading 76th, Aspire Science 82nd
- **949** semifinalists
 - Average percentiles – Quant Q 82nd, Aspire Reading 92nd, Aspire Science 95th
- **493** offered admission
 - Average percentiles – Quant Q 88th, Aspire Reading 94th, Aspire Science 96th
- Most offered admission were taking **Geometry**
- Students with GPA **below 3.0** at the end of 7th grade will, most likely, not meet the semifinalist GPA requirement
- TJ is only one of **MANY OPTIONS** to pursue STEM in your school division. Know what those options are for you!

Calendar of Events

- Sep 2 – Application Available (after 4:00 pm)
- **Sep 27 – Application Deadline (by 4:00 pm)**
- Nov 2 – Test Day Logistics Email Sent to Applicants & Parents (after 6:00 pm)
- Nov 9 – **Admissions Test** (arrive 7:30 - 7:45 am)
 - Nov 15 – *Accommodations* Test Date (arrive 7:30 - 7:45 am)
- Jan 17 – Semifinalist Notification (after 6:00 pm)
- Jan 24 – Applicants Enter Teacher Recommendation Information (by 4:00 pm)
- Jan 31 – SIS and Essay Test Day Logistics Email sent to Applicants & Parents (after 6:00 pm)
- Feb 8 – **SIS and Essay Test** (arrive 7:30 – 7:45 am)
- Apr 30 – Notification Release No Later Than (after 6:00 pm)

All correspondence to applicants and parents is sent via the Applicant/Parent portal email system.

Questions?



tjadmissions@fcps.edu

571-423-3770