

# **Application for the**

**2021 Tennessee Governor’s School for**

***Emerging Technologies***

# **at**

**Tennessee Technological University**

Application Deadline: Jan. 15, 2021

Applicant Name:

Nominating HS Faculty:

# **General Information about Tennessee Governor’s Schools**

The Tennessee Governor’s Schools offer Tennessee high school students intensive learning experiences virtually or on postsecondary campuses. Each school system is encouraged to share the Governor’s School information and applications with strong students who meet the criteria listed below. Nominations for the Tennessee Governor’s Schools must be made by high school educators who can speak to the student’s potential for success in the program. Each Governor’s School convenes an application review committee to select the students invited to attend each school.

**Submitting the Application:**

Nominating educators should electronically submit completed applications following directions provided by the respective Governor’s School(s). Applications submitted directly by students will **not** be accepted. The student may keep a copy of the application, excluding the confidential *Teacher Reference* forms and the confidential *Counselor/Administrator Verification* form; the nominating educator should keep one complete copy of the submitted application package.

General Application Submission Instructions

Ensure applications are complete, arranged in the correct order, and contain all required signatures and documents as outlined below.

1. Nominating educators must submit applications electronically or with a postmark no later than the deadline(s) listed on page two of each application.
2. Each Governor’s School has specific essay and writing sample questions. All questions must be answered and submitted online or with the application packet.
3. Class rank, class size, numerical test scores, etc., must be verified by the school counselor or school administrator, if available. Please note that while PSAT, SAT, and ACT scores are not mandatory, but school administrators are strongly encouraged to include this information if available.
4. Students are to list two teachers (see school-specific list) to complete the confidential *Teacher’s Reference* forms. If the teacher is not the faculty member nominating the student, he/she should return the completed reference forms directly to the nominating educator. There is a space available at the bottom of the teacher reference form to put the name of the school personnel to whom the form is to be returned.
5. An official transcript must be included in the application packet or uploaded online.
6. A personal photo is not required but is an optional submission document.

Additional guidance on completing the required forms of this application packet are given in the checklist on page 4.

**Governor’s School for Emerging Technologies**

**Tennessee Technological University**

**May 30 - June 26, 2021**

The Governor’s School for Emerging Technologies is designed to stimulate interest in science, technology, engineering, and mathematics through the study of current topics in emerging technologies that contribute to fields such as computing, electronics, energy, materials, medicine, robotics, and transportation. The school capitalizes on partnerships with a unique array of high-technology research and development organizations located across the State of Tennessee to provide students with the opportunity to learn from leading researchers and experience cutting-edge research facilities through weekly field trips. Previous partners have included the following: Oak Ridge National Laboratory, Oak Ridge Associated Universities, American Museum of Science and Energy, Tennessee Valley Authority, Vanderbilt University, and The Tennessee Aquarium. On the Tennessee Tech campus, students will engage in traditional classes, discussions, laboratory activities, team projects, and individual projects. Students will earn a total of one hour of college credit.

Prerequisites: Applicants for the Governor’s School for Emerging Technologies must have an unweighted, cumulative GPA of 3.3/4.0 or higher. Rising juniors and seniors may apply (current high school sophomores and juniors). Applicants must have successfully completed two years of high school level laboratory science and must have completed Algebra I, Algebra II, and Geometry (or their equivalents) by the end of the 2020-2021 school year. Accepted applicants must be eligible for admission to the university. Students invited to attend this governor’s school will receive additional instructions on the university application process.

Submission Information:

* Application deadline for the 2021 Governor’s School for Emerging Technologies: January 15, 2021.
* The application, including all materials, should be scanned to .pdf. Each individual application should be scanned to a single .pdf. The filename should be in the following format: *lastnamefirstinitial.pdf* (example: curiem.pdf for Marie Curie’s application).
* The application, including all materials, must be submitted via email to [gset@tntech.edu](mailto:gset@tntech.edu).

Applicant Name:

Nominating HS Faculty:

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| **Governor’s Schools of Tennessee – Application Checklist** |
| **Is this application complete?** |
| * Applicant Information Form   + Completed by applicant/parent/guardian |
| * Certification of Application   + Signed by applicant   + Signed by parent/guardian   + Signed by counselor/ administrator |
| * Student Achievement Information   + Completed and signed by counselor/principal |
| * Confidential Teacher Recommendation 1   + Completed and signed by teacher 1 |
| * Confidential Teacher Recommendation 2   + Completed and signed by teacher 2 |
| * Official Transcript |
| * Specific Questions   + Student responds to each question |
| * All application materials scanned to a single .pdf using the naming scheme given on page 3. |

Due to the COVID 19 Pandemic, the 2021 Governor’s Schools may be conducted in a completely virtual setting if the pandemic is still impacting Tennessee. For this application to be processed correctly please answer the following question to indicate your level of attendance interest.

Place an “x” in the right-hand column to indicate your potential attendance status.

|  |  |
| --- | --- |
| 1. Only if it was a resident program on a host campus |  |
| 1. Only if it was a virtual program |  |
| 1. I would attend either a resident or virtual program |  |

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| **Governor’s Schools of Tennessee - Applicant Information Form** | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | |
| **Student Information** | | | | | | | | | | | | | |
|  | | |  | | | | | | |  | | | |
| Last Name |  |  |  |  | First Name | |  |  |  | Middle Name | | | |
|  | | | | , TN | | | |  | | |  | | |
| Mailing Address | |  |  |  |  | City |  |  | Zip Code | | County | | |
|  | |  | | | | |  | | | | | | |
| Home Phone | |  |  |  | Cell Phone | |  |  |  | Email Address | | | |
|  | * Female * Male | | | |  | * Native American * Asian * Hispanic or Latino | |  |  | * Black or African American * White * Other | | | |
| Date of Birth  Month/Day/Year | Gender | |  |  |  | Race (select all that apply) | | | | |  |  |  |
| * US Citizen * Permanent   Resident Alien |  | |  |  |  | * Foreign Exchange Student | | | | |  |  |  |
| Residence Status |  | |  |  |  | Other Residence  Status | | | | |  |  |  |
|  | | | | | | | | | | | | | |
| **Parent/Guardian Information** | | | | | | | | | | | | | |
|  | | | | | | | | | |  | | | |
|  | Parent/Guardian Name | | | | |  |  |  |  | Relationship to Applicant | | | |
|  | | | | | | , TN | | | | | |  | |
| Mailing Address | |  |  |  |  |  | City | |  |  |  |  | Zip Code |
|  | | |  | | | | | |  | | | | |
| Work Phone | |  |  |  | Cell Phone | |  |  |  | Email Address | | | |
|  | | | | | | | | | | | | | |
| **School Information** | | | | | | | | | | | | | |
|  | | | | | |  | | | | | | | |
| School Name | |  |  |  |  |  | District Name | | | |  |  |  |
|  | | |  | | | | | |  | | | | |
| Counselor Name | |  |  |  |  | Phone |  |  |  | Email | | | |
|  | | | | | | , TN | | | | | | |  |
| Mailing Address | |  |  |  |  |  | City | |  |  |  |  | Zip Code |
| Governor’s School for Emerging Technologies  Application Questions | | | | | | | | | | | | | | |
| **Instructions** | | | | | | | | | | | | | | |
| 1. Choose an emerging technology of interest to you. In an essay of 300 words or less, describe how your chosen field of emerging technology will impact life on earth over the next twenty years.  2. In an essay of 200 words or less, describe why you want to attend the School for Emerging Technologies and what you hope to gain by attending.  3. Provide a brief resume of not more than one typed page describing your achievements, honors, extra-curricular activities (e.g., band, clubs, and sports), work experience, leadership experience, and community service. Items that demonstrate strong interest in science, technology, engineering, and mathematics are important. *Do not list items prior to the seventh grade, and do not include things such as courses and grades that are listed elsewhere in the application packet.* | | | | | | | | | | | | | | |

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| **Governor’s Schools of Tennessee – Certification of Application** | | |
| **Preference Indication** | | |
| Any student applying to multiple Governor’s Schools **must** rank the schools in order of preference on this form only (1=most preferred, etc.). It is not necessary to rank schools to which the student will not apply. | **Ranking** | **Governor’s School** |
|  | Agricultural Sciences |
|  | Arts |
|  | Computational Physics |
|  | Emerging Technologies |
|  | Humanities |
|  | Innovation and Entrepreneurship |
|  | Integration of Biological & Statistical Sciences |
|  | International Studies |
|  | Prospective Teachers |
|  | Sciences and Engineering |
|  | Scientific Exploration of Tennessee Heritage |
| **Student Assurances** | | |
| I have not previously attended a Tennessee Governor’s School, and I affirm, agree, and/or understand that all statements on this form are true and accurate; any misrepresentation or omission of material facts may result in disqualification or termination should I already be enrolled in a Tennessee Governor’s School.  By making this application, I and my parent/guardian agree to the release of any necessary school records to the Governor’s School and the respective university for the purpose of determining eligibility. I/we understand and agree that such school records will be kept confidential and used only for determining admissibility to the Governor’s School. Students who do not agree to the release of such school records for determining admissibility will not be considered for the Governor’s Schools.  I certify to the best of my knowledge all of the information provided in this application is correct. I acknowledge that information about me may be used for publicity purposes if I am selected to attend a Governor’s School. | | |
| Applicant’s Printed Name | | |
| Applicant’s Signature |  | Date |
| **Parent/Guardian Assurances** | | |
| I have carefully reviewed the information on this application and give my permission for my son/daughter to proceed with application procedures. I acknowledge that the Governor’s Schools may offer university course credit and grades which will require university enrollment. I authorize the high school and its employees to release any information necessary for this application. | | |
| Parent/Guardian’s Printed Name | | |
| Parent/Guardian’s Signature |  | Date |
| **School Assurances** | | |
| I nominate the applicant listed above for the Tennessee Governor’s School and certify that the applicant meets the criteria and the prerequisites of the Governor’s School to which the application is made. I recommend this student for admission to the Governor’s School(s), for admission to the hosting university during summer session 2021, and for enrollment in university courses which may or may not allow the student to earn postsecondary credit and grades. | | |
| Nominating Educator Printed Name | | |
| Nominating Educator Signature |  | Date |

**Governor’s Schools of Tennessee – Student Achievement Information**

**To the counselor/school administrator:** The student listed below is applying for selection to a Tennessee

Governor’s School. A complete application requires the following information and verification from you. While information pertaining to some of the following items may not be available for all students, please include all available information. Use the latest scores available. If your school does not rank, enter “do not rank” or “none.”

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| **Student Information** | | | | | | | |
|  | | |  | | |  | |
|  | Last Name |  | First Name | |  |  | Middle Name |
| ☐ 10th ☐ 11th |  |  |  | | |  | |
| Current  Grade | Class Size | Class Rank | “HOPE Scholarship GPA” | |  |  | Cumulative GPA |
| * CTE (specify [career cluster)](https://www.tn.gov/education/career-and-technical-education/career-clusters.html) | | * Science and Math | * Humanities | * Fine Arts | * AP/IB | | * Other (specify) |
| **Elective Focus** | | | | | | | |
| If the above-referenced student does not meet the prerequisites set forth in the application packet, is not  academically qualified, and/or you would not recommend this student for a Governor’s School, then the student is ineligible and an application should not be submitted. | | | | | | | |

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| **Achievement Tests** | | | |
| *Test (list others as appropriate)* | *Grade Administered* | *Score* | *Percentile Ranking(s)* |
| Current State Achievement Test |  |  |  |
|  |  |  |  |
|  |  |  |  |
| **Aptitude Tests** | | | |
| *Test* | *Grade Administered* | *Score* | *Percentile Ranking(s)* |
| PLAN Composite |  |  |  |
| ACT Composite |  |  |  |
| PSAT Critical Reading |  |  |  |
| PSAT Writing |  |  |  |
| SAT Verbal |  |  |  |
| SAT Math |  |  |  |
| SAT Writing |  |  |  |
| SAT II - specify test(s) |  |  |  |
|  |  |  |  |
|  |  |  |  |
| **Any Additional Relevant Test Scores** | | | |
| *Name of Test* | *Grade Administered* | *Total Score /*  *Subscores* | *Percentile Ranking(s)* |
| ACT Math Composite |  |  |  |
| ACT Science Composite |  |  |  |
|  | | | |

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| **Attendance and Discipline** | | |
|  | *2019-20* | *2020-21 (to date)* |
| Number of days absent |  |  |
| Number of disciplinary referrals  (please explain or attach disciplinary record on separate sheet) |  |  |

|  |  |
| --- | --- |
| **Counselor/Administrator Verification** | |
| 1. Please provide narrative comments about this student to help with our evaluation. Narrative comments  are extremely helpful to the selection committees during the evaluation process. Use a separate sheet if necessary. | |
|  | |
| 2. Have you reviewed the student’s academic records? | * Yes * No |
| 3. Does the student meet the prerequisites of the Governor’s School(s) to  which this application is made? | * Yes * No |
| 4. In your opinion, how academically qualified is the student for the Governor’s School experience? | * Highly Qualified * Qualified * Marginally Qualified * Not Qualified |
| I certify to the best of my knowledge the above results are accurately reported. |  |
| Counselor/administrator’s Printed Name |  |
| Counselor/administrator’s Signature | Date |

**Governor’s Schools of Tennessee – Student Achievement Information**

**Governor’s Schools of Tennessee – Student Achievement Information**

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| Governor’s Schools of Tennessee – Teacher Recommendation Guide | | | | |
| The two confidential *Teacher Recommendation* forms should be completed as follows: | | | | |
| **Governor’s School** | | **Teacher Recommendation 1** | | **Teacher Recommendation 2** |
| Agricultural Sciences | | Applicant’s choosing | | Applicant’s choosing |
| Arts | | Arts area teacher | | Applicant’s choosing |
| Computational Physics | | Science teacher | | Math teacher |
| Emerging Technologies | | Science teacher | | Math teacher |
| Engineering | | Science teacher | | Math teacher |
| Humanities | | English teacher | | Applicant’s choosing, preferably  in humanities discipline |
| Innovation & Entrepreneurship | | Technology or business teacher | | Applicant’s choosing |
| Integration of Biological & Statistical  Sciences | | Science teacher | | Math teacher |
| International Studies | | Foreign language teacher, if  available | | Social studies teacher, if available |
| Prospective Teachers | | English teacher | | Applicant’s choosing |
| Sciences & Engineering | | Science teacher | | Math teacher |
| Scientific Exploration of Tennessee  Heritage | | Social studies or science teacher | | Humanities or arts teacher |
|  | | | | |
| **Please list the two teachers from whom the applicant is requesting confidential teacher**  **Recommendations from.** | | | | |
|  | **Name** | | **Subject** | |
| Teacher 1 |  | |  | |
| Teacher 2 |  | |  | |

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| --- | --- | --- |
| **Governor’s Schools of Tennessee – Confidential Teacher Recommendation** | | |
| **Student Information** | | |
|  |  |  |
| Last Name | First Name Middle Name | |
|  | | |
| Educator nominating applicant: | Deadline to return to nominator: | |

|  |  |  |
| --- | --- | --- |
| **To the teacher:** The above-referenced student is applying to attend one of the Tennessee Governor’s Schools, an intensive residency or virtual program for mature, gifted, and talented students. This applicant has designated you as one of his or her teachers of reference. This recommendation form is a critically important part of the student’s application and will have a significant role in the selection process. Please provide us with a candid, frank, and complete assessment of this student’s maturity, attitude, work commitment, and creativity. This form will not become a part of the student’s regular school records; it will be used solely by officials of the Governor’s School to aid them in the selection process. The contents of this form will not be disclosed to the applicant or his/her parents/guardians. The Governor’s School officials greatly appreciate your help in this selection process.  **Please return this completed form to the applicant’s nominator by the date listed above.** | | |
| 1. How long have you known and worked with this applicant? | | |
| 2. In what situations have you served as this applicant’s teacher? | | |
| 3. Please evaluate this applicant in the areas below, comparing him or her with similar outstanding students  you have had in the past: | | |
| *Ability to learn*   * Learns very quickly * Learns readily * Average * Must work hard to learn * Does not learn easily | *Attitude toward work*   * Outstanding * Above Average * Average * Can be indifferent * Lacks commitment | *Dependability/consistency*   * Always dependable * Above average * Average * Occasionally unreliable * Usually unreliable |
| *Initiative*   * Self-directed/motivated * Usually independent * Completes work assigned * Needs some prodding * Very hesitant | *Judgment*   * Exceptionally good * Above average * Average for a teenager * Occasional poor judgments * Frequent poor judgments | *Maturity*   * Extremely mature * Above average * Average teenager * Somewhat mature * Very immature |
| *Relations with others*   * Exceptionally good * Above average * Average * Occasional conflicts * Many conflicts | *Quality of work*   * Excellent * Very good * Average * Below average * Very poor | *Quantity of work*   * Unusually high output * Above average * Average output * Not a great producer * Low output, slow |
| 4. How would you describe the applicant’s punctuality? | | |
| * High ☐ Average ☐ Low | | |

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| Governor’s Schools of Tennessee – Confidential Teacher Recommendation  (cont’d) |
| 5. What is your best judgment about this applicant’s emotional maturity and stability to deal with an  intensive residency program in which he/she will meet new people, face new situations, and encounter new challenges during the weeks of the program? Could this student adapt to a virtual program? |
| * This applicant will adapt readily to the changes and challenges and will be a successful participant. * This applicant should be able to adapt to the changes and challenges with minimal adjustment. * This applicant should succeed but will have some difficulty dealing with the stress. * This applicant may have some difficulty dealing with the stress and may not be successful. * This applicant will have great difficulty dealing with new situations and challenges. |
| 6. This applicant’s outstanding personal qualities are: |
|  |
| 7. The personal qualities this applicant should strive most to improve are: |
|  |
| 8. Please indicate your overall judgment about this applicant: |
| * Very highly recommended, an outstanding student who will do well in the school. * Highly recommended, a very good student who will be successful in the school. * Recommended, a good student who will participate effectively in the school. * Recommended with reservations, a good student but he/she may present some problems. * I do not recommend this student. |
| 9. Summary Comments: We must select a relatively small number of students from a large pool of exceptional applicants. Please tell us something about this student that is not reflected in any of the above ratings which will help us make a decision. What makes this applicant truly exceptional? Summary comments are extremely important to the selection committees, and reference letters are acceptable. If  you need more space, you may attach another sheet. |
|  |

Name

Signature Date

|  |  |  |
| --- | --- | --- |
| **Governor’s Schools of Tennessee – Confidential Teacher Recommendation** | | |
| **Student Information** | | |
|  |  |  |
| Last Name | First Name Middle Name | |
|  | | |
| Educator nominating applicant: | Deadline to return to nominator: | |

|  |  |  |
| --- | --- | --- |
| **To the teacher:** The above-referenced student is applying to attend one of the Tennessee Governor’s Schools, an intensive residency program for mature, gifted, and talented students. This applicant has designated you as one of his or her teachers of reference. This recommendation form is a critically important part of the student’s application and will have a significant role in the selection process. Please provide us with a candid, frank, and complete assessment of this student’s maturity, attitude, work commitment, and creativity. This form will not become a part of the student’s regular school records; it will be used solely by officials of the Governor’s School to aid them in the selection process. The contents of this form will not be disclosed to the applicant or his/her parents/guardians. The Governor’s School officials greatly appreciate your help in this selection process.  **Please return this completed form to the applicant’s nominator by the date listed above.** | | |
| 1. How long have you known and worked with this applicant? | | |
| 2. In what situations have you served as this applicant’s teacher? | | |
| 3. Please evaluate this applicant in the areas below, comparing him or her with similar outstanding students  you have had in the past: | | |
| *Ability to learn*   * Learns very quickly * Learns readily * Average * Must work hard to learn * Does not learn easily | *Attitude toward work*   * Outstanding * Above Average * Average * Can be indifferent * Lacks commitment | *Dependability/consistency*   * Always dependable * Above average * Average * Occasionally unreliable * Usually unreliable |
| *Initiative*   * Self-directed/motivated * Usually independent * Completes work assigned * Needs some prodding * Very hesitant | *Judgment*   * Exceptionally good * Above average * Average for a teenager * Occasional poor judgments * Frequent poor judgments | *Maturity*   * Extremely mature * Above average * Average teenager * Somewhat mature * Very immature |
| *Relations with others*   * Exceptionally good * Above average * Average * Occasional conflicts * Many conflicts | *Quality of work*   * Excellent * Very good * Average * Below average * Very poor | *Quantity of work*   * Unusually high output * Above average * Average output * Not a great producer * Low output, slow |
| 4. How would you describe the applicant’s punctuality? | | |
| * High ☐ Average ☐ Low | | |

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| Governor’s Schools of Tennessee – Confidential Teacher Recommendation  (cont’d) |
| 5. What is your best judgment about this applicant’s emotional maturity and stability to deal with an  intensive residency program in which he/she will meet new people, face new situations, and encounter new challenges during the weeks of the program? Could this student adapt to a virtual program? |
| * This applicant will adapt readily to the changes and challenges and will be a successful participant. * This applicant should be able to adapt to the changes and challenges with minimal adjustment. * This applicant should succeed but will have some difficulty dealing with the stress. * This applicant may have some difficulty dealing with the stress and may not be successful. * This applicant will have great difficulty dealing with new situations and challenges. |
| 6. This applicant’s outstanding personal qualities are: |
|  |
| 7. The personal qualities this applicant should strive most to improve are: |
|  |
| 8. Please indicate your overall judgment about this applicant: |
| * Very highly recommended, an outstanding student who will do well in the school. * Highly recommended, a very good student who will be successful in the school. * Recommended, a good student who will participate effectively in the school. * Recommended with reservations, a good student but he/she may present some problems. * I do not recommend this student. |
| 9. Summary Comments: We must select a relatively small number of students from a large pool of exceptional applicants. Please tell us something about this student that is not reflected in any of the above ratings which will help us make a decision. What makes this applicant truly exceptional? Summary comments are extremely important to the selection committees, and reference letters are acceptable. If  you need more space; you may attach another sheet. |
|  |

Name

Signature