**Annual e-Portfolio Minimum Requirements & Distinguished STEM Graduate Points System**

**Sprayberry STEM e-Portfolio Requirements & Distinguished STEM** Graduate Points

The table below consists of 2 parts. The first portion lists the annual minimum requirements and point values per grade level. To be considered for recognition as a Distinguished STEM graduate, you must meet ALL the minimum requirements. You must have accumulated the number of points listed below by the end of each school year to maintain eligibility. For example, if you do not earn the full 19 points freshman year, you can earn more points sophomore year to get back on track.

**SAMPLE**

**Check STEM website for finalized**

**and official version**

 **9th Grade = TBD points** | **10th Grade = TBD points** | **11th Grade = TBD points |** **12th Grade = TBD points**

This minimum requirement list reflects all items that will be evaluated twice.

The second portion of the table includes a list of additional options (highlighted) that you can add to your annual points as you work towards your Distinguished status. There are some maximums, so please be sure to read each option carefully.

\*\*\*Remember you must also meet the Academic & Integrity requirements at the end of your senior year to be considered, regardless of points earned.\*\*\*

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| **Annual Grade Level Minimum Requirements** | **9th** | **10th** | **11th** | **12th** | **Description of Requirement & e-Portfolio Entry Specifics** |
| Outstanding STEM activity per content area* Math
* Science
* Pathway course (may overlap)
 | 6pts | 6pts | 6pts | 6pts | * One outstanding project from each STEM content area is required annually. These may include products such as cross-curricular projects, models, labs, prosthetics, diabetes models, brochures, etc. If you use a project that was required for more than one content area, you may include the same project for both.
* *e-Portfolio entry must include the date, the class, picture(s) or file upload, and a written reflection describing each project and what you learned from doing it.*
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| STEM Beyond the Classroom* Complete a maximum of 3
 | Max 31pts each | Max 31pts each | Max 31pts each | Max 31pts each | * You are required to seek input from outside professionals who are willing to share their expertise in their various fields. Examples include:
	+ Attending STEMinars (STEM guest speakers) throughout the year and writing a reflection.
	+ Working in our associated maker space on STEM related projects.
	+ Attending lectures outside of school hours.
	+ School sponsored STEM nights
	+ STEM related activities outside of school
	+ There are many other opportunities, speak to a STEM instructor to make sure your extracurricular activity meets the criteria.
* *e-Portfolio entry must in include the date, name of the person (first only is fine), a description of your conversation and what they do, and a one paragraph summary describing a STEM connection you made. A photo of you with the person is required, so if they are not willing to be photographed or there are other privacy issues, do not use that person for your community connection.*
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| STEM Competitions | 2pts | 2 pts | 2 pts | 2 pts | * Participation and completion of one STEM-related competition. Examples include:
	+ Math team competitions
	+ Governor’s Honors Program
	+ Plant Mars
	+ Science Olympiad
	+ Cobb Regional Technology Competition
	+ Drone Competition
	+ HOSA Competition
	+ Congressional App Challenge
* Additional competitions can be found at: [Institute of Competition Sciences – The Home of Challenge Based Learning](https://www.competitionsciences.org/)
* *e-Portfolio must include date of competition, name of activity, description event and any awards.*
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| Resume Booster(Non-STEM promoted activity such as band, orchestra, community service, sport, competition, or club such as Beta Club or National Honor Society) | 1 pt | 1 pt | 1 pt | 1 pt | * List of extracurricular activities that are not STEM related such as work experience, club membership, sports, other community service or volunteer opportunities.
* *e-Portfolio must include date/date range, name of activity, description of responsibilities or activities.*
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| “About Me” Introduction(Updated annually) | 1 pt | 1 pt | 1 pt | 1 pt | * Your name
* 9th & 10th grade – Introduce yourself, state why you are interested in STEM, add 1 additional paragraph about you, your interests, & activities that are NOT school related. At least one photo of you.
* 11th & 12th grade – Introduce yourself, state your selected pathway and current post graduation plans. At least one photo of you.
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| End of Grade Summative Reflection |  2 pts | 2 pts | 2 pts | 2 pts | * You may address things such as, “What did you find most challenging this year?” or “What was your favorite STEM event/activity of the year?” or “In what area do you think you had the most growth?”
* *e-Portfolio must include a minimum of 2 paragraphs summary reflecting on your growth over the school year.*
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| Annual Volunteer Hours | 1 pt | 1 pt | 1 pt | 1 pt | * Students must volunteer for a minimum of 8 hours each year at events.
* *e-Portfolio should include a summary of the event, responsibilities, and a picture of you AT the event.*
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| AP Seminar | N/A | N/A | 10 pts | N/A | * Students must upload the title of their Individual Research Report (IRR) along with a summary of their paper
* Students need to upload a picture of themselves next to their opening slide of the TMP
* Students must upload the title of their Individual Written Argument (IWA) along with a summary of their paper
* Students need to upload a picture of themselves next to their opening slide of their IMP
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| AP Research | N/A | N/A | N/A | 10 pts | * Students must upload the title of their Research paper and their abstract
* Students must upload a picture of themselves next to the opening slide of their presentation
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**Sprayberry STEM e-Portfolio Requirements & Distinguished STEM** Graduate Points

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| **Optional Activities for Additional Points Towards Distinguished STEM Graduate** | **ANNUAL****Sprayberry STEM e-Portfolio Requirements & Distinguished STEM** Graduate Points**Maximum & Point Value** | **Description of Requirement & e-Portfolio Entry Specifics** |
| Additional STEMinar | MAX 21 pt each | * See minimum requirements table for description and e-portfolio requirements.
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| Additional Volunteer Hours | MAX 31 pt each | * See minimum requirements table for description and e-portfolio requirements.
* Earn one point for every three hours of additional volunteer work.
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| Job Shadowing | MAX 24 pts each | * Gain experience by shadowing a professional in a field you are interested in exploring. The experience must be approved by a STEM advisor **before** including it in your e-portfolio.
* You must have official documentation forms signed (either from STEM or other official forms). If using other documentation--dates, hours, and supervisor’s signature must be clear.
* We encourage you not to miss school for shadowing unless it is an experience offered through SHS.
* Your parents or the school should help you arrange and must approve of your shadowing experience.
* Transportation is your responsibility.
* Bring a stamped, addressed “Thank You” note in an UNsealed envelope for the person you did the internship with to STEM Coordinator to mail.
* *e-Portfolio submission should include pictures and a reflection, in addition to a documentation form.*
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| College Visit | MAX 22 pts each | * Include pictures and a reflection
* These campus visits may be through SHS trips or on your own.
* **If it is on your own**, include proof that your tour was organized by the college (ex: email confirmation, signatures/stamps from college, follow-up letter, etc.)**.**
* An informal tour will **not** count. Documentation must be provided to **prove** it was an **official tour**.
* The visit is not about stepping onto a campus, but it is about giving yourself every chance to learn everything the school has to offer.
* *e-Portfolio should include pictures and a 2-paragraph reflection of your impression of the school*.
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| Multicultural Event/Experience | MAX 21 pt each | * Events such as attending professional theater, symphonies, symposiums, or festivals.
* Events which relate to or represent several cultural or ethnic groups.
* *e-Portfolio should include several pictures of you at the event and a reflection that summarizes what the event was and what you learned from your participation.*
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| STEM Ambassador | MAX 22 pts each | * We expect our students to become leaders and representatives of the Sprayberry STEM program.
* Activities include helping run STEM Academy, talking at open house, guest speaking at feeder middle schools, speaking at STEM night, running STEM camp, helping with STEM applicant interviews, etc.
* All activities will require sign up & pre-approval.
* *e-Portfolio should include pictures, volunteer paperwork signed, and a reflection including a summary of what you did.*
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| Grant writing | No MAXIMUM2 points for grants under $1005 points per grants over $100 | * Grant writing is a valuable and sometimes necessary skill if you plan to conduct research in the future.
* Students are encouraged to find grant opportunities to fund their science fair or independent research projects.
* For consideration, this must be a grant in the truest sense – not just a fund-raising opportunity.
* *e-Portfolio should include grant information, grant proposal uploaded to Scribd, and letter of approval.*
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| Additional STEM Competition | No Maximum 2 points each | * To get the recognition you deserve for all your hard work, ANY extra STEM related competition, earns points!
* *e-Portfolio should include evidence/artifacts of your submission and a reflection of what you did and what you learned.*
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