



Northglenn HS

STEM Pathway

2019-2020 Application

Accepted from October 29 – Noon on December 7, 2018

Step 1: Personal Information – PRINT CLEARLY

Full Name: _____ Birthdate: _____ Gender: _____ Current Grade: **8**

Street Address: _____ # _____ City: _____ Zip: _____

AD 12 Student #: _____ Parent/Guardian Names: _____

Home Phone: _____ Cell: _____ Email: _____

Current School: _____ School District: _____

Boundary High School: _____ Boundary District: _____

Step 2: Post High School Education Commitment

“I, the undersigned, understand that I am enrolling in a rigorous course of study which prepares me to enter an institute of higher learning. If accepted into a STEM Pathway, I understand that I will not be able to graduate early. In order to receive recognition at graduation, I need to complete the four credits on the pathway and the final pathway project. I agree to continue my formal education and apply to an institute of higher learning upon graduation of Northglenn High School STEM. Early College at Northglenn STEM (EC@N-STEM) students will finish their associate’s degree at Front Range Community College. Institutes include four-year universities and colleges, community/junior colleges, and trade/vocational schools. Students who live outside of Northglenn HS boundaries will need to return to their home high school if they exit their program.”

Student Signature: _____ Date: _____

By noon on December 7, 2018, please return completed application to:

Northglenn HS STEM Application
601 W. 100th Place
Northglenn, CO 80260

Or FAX to (720) 972-4739

Office Use Only.

Date submitted: _____ [] App. [] Ed Co [] IT [] Rec 1 [] Rec 2 [] Trans [] Att [] Disc **EC Only:** [] S [] P/G [] C

Pathway Selection: _____ Biomedical Science _____ Early College – Computer Information Systems _____ Engineering

Boundary School: [] Horizon [] Legacy [] Mountain Range [] Northglenn [] Thornton [] Other: _____

Boundary District: [] Adams 12 [] Adams 50 [] Brighton 27J [] Denver [] Jefferson [] Mapleton [] Other: _____

Decision: [] Accept [] Waitlist # _____ [] Decline [] Redo Task by _____ or Decline

Step 3: Select Your STEM Pathway

Mark your selection with an "X"

| | | |
|--|--|--|
| <p>[] Biomedical Science</p> <p>Year 1: Principles of Biomedical Sci Year 2: Human Body Systems Year 3: Medical Interventions Year 4: Biomedical Innovations</p> <p>Ex: Medical Practitioners, Veterinarians, Forensic Scientists, Medical Researchers</p> | <p>[] Computer Info Systems*</p> <p>Year 1: Cybersecurity, CIS 118 Year 2: CIS 155, CIS 135 Year 3: CIS 145, CSC 119, MAN 226 Year 4: Six college classes Year 5: Students will finish AAS at Front Range Community College</p> <p>Ex: Programmers, IT Specialists, Networking, Cybersecurity</p> | <p>[] Engineering</p> <p>Year 1: Intro to Engineering Design Year 2: Principles of Engineering Year 3: Aerospace Engineering or AP Computer Science A Year 4: Engineering Design & Dev.</p> <p>Ex: Engineers, Technicians, Aerospace, Architects</p> |
|--|--|--|

* EC@N-STEM – Free AAS Degree (see stemearlycollege.weebly.com for more info)

Step 4: Pathway Specific Task

Include with your application. Use any format you want.

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|--|
| <p>Biomedical Science Pathway:</p> <ul style="list-style-type: none"> Write a letter of intent which includes a career interest statement for the Biomedical Science Pathway and explain why the study of biomedical science interests you. Include information about career goals, interests and experiences that helped you make a decision about applying to the Biomedical Science Pathway. How will the Biomedical Science Pathway help you achieve your goals? |
| <p>Computer Information Systems (coursework through FRCC at Northglenn HS STEM):</p> <ul style="list-style-type: none"> Write a career interest statement. It should include information about career goals, experiences that helped you make a decision about a computer science career path, why you want to be in EC@N-STEM, and what you think this will mean to you in terms of your education and future goals. |
| <p>Engineering Pathway: Complete one of these options</p> <ol style="list-style-type: none"> Create a design proposal for a new student desk in a 21st century classroom. Include annotated sketches. Describe innovations that can be made to a high school student's backpack. Make sure your design includes charging capabilities for technology. Include annotated sketches. Describe a technological advancement in the United States that could be adjusted for use in a developing country. Include annotated sketches. |

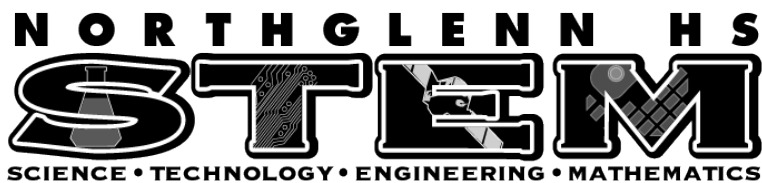
Step 5: Letters of Recommendation

Attached are **two** recommendation letters and your Parent/Guardian Form. One recommendation needs to be completed by your math or science teacher. A teacher of your choosing can complete the other. The completed letters need to be faxed, (720) 972-4739, or mailed to Northglenn High School.

Step 6: School Records

Include: an unofficial copy of your current transcript, at least a year's attendance, and any discipline records.

| | | | |
|---|--|--|--|
| <p>Mail or Deliver to: Northglenn HS STEM Attn: STEM Application 601 W. 100th Place Northglenn, CO 80260</p> | <p>For questions, feel free to contact a Coordinator.</p> | | |
| <p>Mr. Todd Corn Todd.Corn@adams12.org 720-972-4689</p> | <p>Ms. Leslie Foster Leslie.Foster@adams12.org 720-972-4691</p> | <p>Mr. Kerry Glenn Kerry.Glenn@adams12.org 720-972-4629</p> | |



Current Math or Science Teacher Recommendation for 2019-2020 STEM Program

Printed Student Name: _____ Current School: _____

All information will be kept confidential.

What is the name of the class(es) in which you've had this student? _____

Please rank this applicant's abilities. 5 = Exceptional (Top 5%), 4 = Excellent (Top 10%), 3 = Average, 2 = Fair, 1 = Poor, N = Not Sure

| | | | | | | |
|---|---|---|---|---|---|---|
| 1. Demonstrates academic ability. | 5 | 4 | 3 | 2 | 1 | N |
| 2. Follows through on work. | 5 | 4 | 3 | 2 | 1 | N |
| 3. Driven by curiosity. | 5 | 4 | 3 | 2 | 1 | N |
| 4. Willing to take reasonable risks. | 5 | 4 | 3 | 2 | 1 | N |
| 5. Responsible. | 5 | 4 | 3 | 2 | 1 | N |
| 6. Generates questions on his or her own – questions the common or unusual. | 5 | 4 | 3 | 2 | 1 | N |
| 7. Approaches difficult problems with ingenuity. | 5 | 4 | 3 | 2 | 1 | N |
| 8. Functions well within a team. | 5 | 4 | 3 | 2 | 1 | N |
| 9. Self-directed; requires a minimum of adult direction and attention. | 5 | 4 | 3 | 2 | 1 | N |
| 10. Able to plan and organize activities, direct actions, and evaluate results. | 5 | 4 | 3 | 2 | 1 | N |
| 11. Completes high quality work as directed and on time. | 5 | 4 | 3 | 2 | 1 | N |
| 12. Attends class regularly. | 5 | 4 | 3 | 2 | 1 | N |
| Overall recommendation of this applicant | 5 | 4 | 3 | 2 | 1 | |

Please share your candid opinions about this student's ability to be successful in a STEM Program.

Thank you for your time!

Evaluator's Printed Name: _____ Evaluator's Signature _____ Date: _____

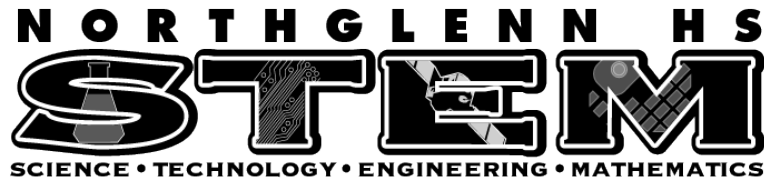
Please return to:

Northglenn HS STEM
Attn: STEM Application
601 W. 100th Place
Northglenn, CO 80260

or you may fax to:

(720) 972-4739

Recommendation must be RECEIVED by noon on December 7, 2018



Teacher Recommendation for 2019-2020 STEM Program

Printed Student Name: _____ Current School: _____

All information will be kept confidential.

What is the name of the class(es) in which you've had this student? _____

Please rank this applicant's abilities. 5 = Exceptional (Top 5%), 4 = Excellent (Top 10%), 3 = Average, 2 = Fair, 1 = Poor, N = Not Sure

| | | | | | | |
|---|---|---|---|---|---|---|
| 1. Demonstrates academic ability. | 5 | 4 | 3 | 2 | 1 | N |
| 2. Follows through on work. | 5 | 4 | 3 | 2 | 1 | N |
| 3. Driven by curiosity. | 5 | 4 | 3 | 2 | 1 | N |
| 4. Willing to take reasonable risks. | 5 | 4 | 3 | 2 | 1 | N |
| 5. Responsible. | 5 | 4 | 3 | 2 | 1 | N |
| 6. Generates questions on his or her own – questions the common or unusual. | 5 | 4 | 3 | 2 | 1 | N |
| 7. Approaches difficult problems with ingenuity. | 5 | 4 | 3 | 2 | 1 | N |
| 8. Functions well within a team. | 5 | 4 | 3 | 2 | 1 | N |
| 9. Self-directed; requires a minimum of adult direction and attention. | 5 | 4 | 3 | 2 | 1 | N |
| 10. Able to plan and organize activities, direct actions, and evaluate results. | 5 | 4 | 3 | 2 | 1 | N |
| 11. Completes high quality work as directed and on time. | 5 | 4 | 3 | 2 | 1 | N |
| 12. Attends class regularly. | 5 | 4 | 3 | 2 | 1 | N |
| Overall recommendation of this applicant | 5 | 4 | 3 | 2 | 1 | |

Please share your candid opinions about this student's ability to be successful in a STEM Program.

Thank you for your time!

Evaluator's Printed Name: _____ Evaluator's Signature _____ Date: _____

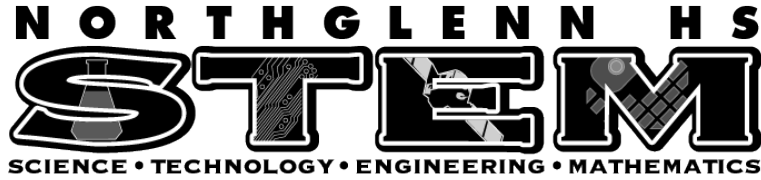
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Parent/Guardian Form – PRINT CLEARLY

Printed Student Name: _____

| | |
|--|--|
| Parent/Guardian 1 Name: | Parent/Guardian 2 Name: |
| Highest level of education (please check one) <input type="checkbox"/> High School/GED <input type="checkbox"/> Associates degree <input type="checkbox"/> Bachelor's degree <input type="checkbox"/> Other: _____ | Highest level of education (please check one) <input type="checkbox"/> High School/GED <input type="checkbox"/> Associates degree <input type="checkbox"/> Bachelor's degree <input type="checkbox"/> Other: _____ |

What are your hopes and aspirations for your child?

Please share any information that you feel is important for us to know about your child as a learner.

Please indicate your child's top two strengths and top two challenges.

Please submit with your student's application by noon on December 7, 2018

EC@N-STEM ONLY

(Engineering & Biomedical Science Applicants do not need to complete this section)

Student Agreement

"I, the undersigned have completed this application to the best of my ability. I understand that this program is designed to be completed in five years and will take between four and six years to complete. When I complete the minimum graduation requirements and participate in Northglenn HS STEM's graduation ceremony, I will continue my education at Front Range Community College. I also understand that I will participate in unique learning experiences, internship opportunities, and employment possibilities with our industry partner. Because of this, I will participate in: college level coursework, extended day/year experiences, and may extend my education to receive my associate's degree by two years. If my grade is below a C in any of my college-level classes or if I fail two or more of my high school classes, I may be removed from EC@N-STEM and will need to return to my home high school."

Student Signature: _____ Date: _____

Parent/Guardian Agreement

"I agree that my child may enroll in Early College at Northglenn STEM (EC@N-STEM). I realize that students participating in the program must be enrolled as a non-matriculated student at Front Range Community College and that his/her grades in the college level classes will become part of his/her college transcript. I also understand the academic calendar for EC@N-STEM students may be different from their home school, and may require summer coursework. If my child's grade is below a C in any of his/her college-level classes or if he/she fails two or more of his/her high school classes, he/she may be removed from EC@N-STEM and will need to return to his/her home high school. "

Parent/Guardian Signature: _____

Parent/Guardian Name (Print): _____ Date: _____

School Counselor Recommendation for 2019-2020

Printed Student Name: _____ Current School: _____

All information will be kept confidential.

Please rank this applicant's abilities. 5 = Exceptional (Top 5%), 4 = Excellent (Top 10%), 3 = Average, 2 = Fair, 1 = Poor, N = Not Sure

| | | | | | | |
|--|---|---|---|---|---|---|
| 1. Demonstrates academic ability. | 5 | 4 | 3 | 2 | 1 | N |
| 2. Follows through on work. | 5 | 4 | 3 | 2 | 1 | N |
| 3. Responsible. (Leadership) | 5 | 4 | 3 | 2 | 1 | N |
| 4. Self-directed; requires a minimum of adult direction and attention. | 5 | 4 | 3 | 2 | 1 | N |
| 5. Attends class regularly. | 5 | 4 | 3 | 2 | 1 | N |
| Overall recommendation of this applicant | 5 | 4 | 3 | 2 | 1 | |

IEP/504? _____ Yes _____ No (Please submit a copy of the IEP/504 plan with the application.)

ESL/ELL Program _____ Yes _____ No Days Absent _____ Days Tardy _____

Thank you for your time!

Evaluator's Printed Name: _____ Evaluator's Signature _____ Date: _____

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