



Northglenn HS

STEM Pathway

PLTW Biomedical or PLTW Engineering 2017-2018 Application Checklist:

Please mark off each item below once it has been completed.

- Personal Information
- Pathway Selection
- Math/Science Teacher Recommendation
- School Records (Grades, Attendance, Discipline)
- Post High School Education Commitment
- Pathway Specific Innovation Task
- General Teacher Recommendation

Round 2 Application: Accepted starting January 4, 2017
 Before submitting the application, please check northglennstem.weebly.com to see if the acceptance window is still open.

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. I agree to continue my formal education and apply to an institute of higher learning upon graduation of Northglenn High School STEM. Institutes include four-year universities and colleges, community/junior colleges, and trade/vocational schools.”

Student Signature: _____ Date: _____

Office Use Only.

Date submitted: _____ [] App. [] Ed Co [] IT [] Rec 1 [] Rec 2 [] Trans [] Att [] Disc

Pathway Selection: _____ Engineering _____ Biomedical

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

Step 3: Select Your Pathway

Mark your selection with an "X"

<input type="checkbox"/> Engineering	<input type="checkbox"/> Biomedical	By Design
Year 1: Intro to Engineering Design Year 2: Principles of Engineering Year 3: Aerospace or AP Computer Sci. Year 4: Engineering Design & Dev. Ex: Engineers, Technicians, Computer Scientists, Architects	Year 1: Principles of Biomedical Sci. Year 2: Human Body Systems Year 3: Medical Interventions Year 4: Biomedical Innovations Ex: Medical Practitioners, Veterinarians, Forensic Scientists, Medical Researchers	<input type="checkbox"/> Business/Marketing <input type="checkbox"/> Culinary <input type="checkbox"/> Design (Web, Interior, Fine Art, etc.) <input type="checkbox"/> Graphic Communication <input type="checkbox"/> Law and Justice <input type="checkbox"/> Theatre

Step 4: Pathway Specific Innovation Task

Include with your application. Use any format you want.

Engineering Pathway: Complete one of these options <ol style="list-style-type: none"> 1. Create a design proposal for a new student desk in a 21st century classroom. Include annotated sketches and a design brief. 2. Describe innovations that can be made to a high school student's backpack. Make sure your design includes charging capabilities for technology. 3. Describe a technological advancement in the United States that could be adjusted for use in a developing country.
Biomedical Pathway: Complete one of these options <ol style="list-style-type: none"> 1. Design an innovation that would help students experience longer and healthier lives. 2. Describe a leading health concern of adolescents and propose a medical innovation that may aid the treatment of this concern. 3. Describe a current medical innovation and explain some adjustments you would make that would improve its effectiveness.
By Design Pathway: Complete one of these options <ol style="list-style-type: none"> 1. Describe a new product to bring to market. Include the Executive Summary from your business plan. 2. Write and illustrate a storybook that teaches children how to solve a difficult problem or addresses an important issue. 3. Write a skit that teaches incoming sixth graders how to be successful in middle school. 4. Design a concept for a new restaurant and submit a sign, advertisement, layout sketch, and menu.

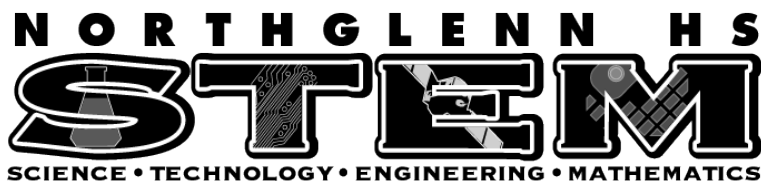
Step 5: Letters of Recommendation

Attached are **two** recommendation letters. One needs to be completed by your math or science teacher. A teacher of your choosing can complete the other. The completed letters needs 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.

Mail or Deliver to: Northglenn HS STEM Attn: STEM Pathway Application 601 W. 100 th Place Northglenn, CO 80260	For questions, feel free to contact a STEM Coordinator.	
	Mr. Nick Kosovich Nick.Kosovich@adams12.org 720-972-4689	Mr. Kerry Glenn Kerry.Glenn@adams12.org 720-972-4629



Current Math or Science Teacher Recommendation for 2017-2018 STEM Program

Teacher, if a student is applying for both STEM Pathways and EC@N-STEM, please check here [].
 You only need to complete one recommendation.

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: _____

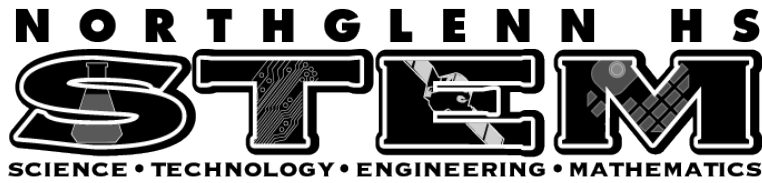
Please return to:

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

or you may fax to:

(720) 972-4739

Application cannot be processed until recommendations are received.



Teacher Recommendation for 2017-2018 STEM Program

Teacher, if a student is applying for both STEM Pathways and EC@N-STEM, please check here [].
 You only need to complete one recommendation.

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 Pathway Application
 601 W. 100th Place
 Northglenn, CO 80260**

or you may fax to:

(720) 972-4739

Application cannot be processed until recommendations are received.

