

Dear Interested Candidate,



The Project Lead the Way Biomedical Sciences is a four year program aimed at giving High School Students real world learning and application

opportunities. The program uses hands-on, real world problems to engage and challenge students. It is a dynamic and academically challenging program that aligns to common core state standards for Mathematics and English Language Arts, and Next Generation Science Standards, as well as to the national health standards. Due to the high level of personal responsibility required to be successful in this course, an application is required to be entered into the initial course of this program.

The Biomedical Science Pathway includes the following courses: **Principles of the Biomedical Sciences™**, **Human Body Systems™**, **Medical Intervention™** and **Biomedical Innovation™**. In the Biomedical Science pathway students examine the processes, structures, and interactions of the human body as well as explore the prevention, diagnosis and treatment of diseases. Using a collaborative approach to investigate and design innovative solutions to some of today's most pressing health challenges is the norm in this classroom. Students interested in math, science, and the human body will find the PLTW Biomedical Sciences™ program a great introduction to numerous medical fields which are investigated throughout the four courses. The curriculum is designed to augment the high school science and math college preparatory programs to establish a solid background in biomedical science.

PLTW Biomedical Science Program Requirements:

- Completed Application (only for the first year)
- For 8th graders: Passing 8th grade Science and Math as well as passing the Math and Science course final assessments.
- For 9th grade and above: Passing Living Environment and Math as well as earning a passing score on the correlating Regents Exams.
- Students must be enrolled in and pass their PLTW course AND their math and science courses each year to be eligible to stay in the program.

In order to be considered for enrollment into this program, you must complete and submit ALL parts of the following application packet. **COMPLETE APPLICATIONS AND RECOMMENDATIONS ARE DUE NO LATER THAN Friday March 19, 2021.**

Electronic applications can be submitted via email to Mrs. DeLisio at adelisio@gananda.org and paper applications and recommendations to the middle school guidance office secretary.

A committee of school personnel will review the applications and make recommendations to guidance for entrance into this program in the spring. The student will receive a letter confirming their status.

****Scheduling conflicts may arise that may prevent entry into the program****

If you have any questions about the program or the application process, please contact Angela DeLisio (adelisio@gananda.org) or Amy Peterson (apeterson@gandanda.org) for the Biomedical program.

Application Checklist

_____ Applicant general information sheet completed by student and handed into Guidance

_____ Applicant Essay completed by student

_____ Confidential recommendations handed into middle school guidance office each in their own sealed envelope

- Math or science teacher recommendation
- “Other” recommendation by a person of your choice

_____ Admissions agreement completed by student and parent

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HAND IT IN ALL TOGETHER!!!

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Part I: Applicant General Information Sheet

Please check which program(s) you are applying for:

☐ PLTW Biomedical Science

Student information

Student Name: _____ 2020-2021 Grade Level _____

Address: _____
Street Name City State Zip

Cell phone: _____ Email: _____

Parent/Guardian Information

Name: _____

Address: _____
Street name City State Zip

Cell phone: _____ Email: _____

Part II: Academic Information

**** See your Guidance Office or Infinite Campus for the following information****

Final Course Average in:

Science 6 _____

Math 6 _____

Science 7 _____

Math 7 _____

Science 8 (or earth sci) _____ Math 8 (or Algebra) _____

Living Enviro _____

Algebra (or geometry) _____

Part III: Applicant Essay:

In the space below, respond to the following prompt: (use additional lined paper if necessary)

- What is your intended career and/or life goal?
- Discuss how your interest in these goals has developed and describe any experience you have had in that field.
- How will your participation in your selected PLTW program help you achieve this goal?

[illegible]

Part IV: Recommendations

- You must submit a total of 2 recommendations using the attached forms.
- You must have one completed by a science or math teacher
- The 2nd recommendation can be completed by a person (not a family member) of your choosing that can speak well to your character and future ambitions.
- All recommendations must be submitted in a sealed envelope. The person completing the recommendation must sign the envelope on the seal to ensure confidentiality.

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Recommendation Form

Student's Name _____ School _____

Guidance Counselor _____

Directions to Students: Complete the information above and have one of the required people complete this form.

Directions to Teacher: The student listed above is applying for admission to the Project Lead the Way Program. Please mark the box below that best represents your assessment of this student. Give the completed form to the student in a sealed envelope.

Note: Teacher recommendations are confidential.

	<i>Almost Always</i>	<i>Often</i>	<i>Occasionally</i>	<i>Rarely</i>	<i>Never</i>
Ease of Learning: Enjoys the challenge of problems, assignments, and issues. Learns quickly.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Adaptability: Approaches ideas and problems from a number of directions. Finds alternative means of solving problems. Thinks about ideas in new ways.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Initiative and Enthusiasm: Is highly motivated, independent worker. Seeks additional tasks; is intellectually curious, and stays actively engaged in activities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Persistence: Stays with tasks; relates progress on tasks to accomplishment of larger goals.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Reliability and Integrity: Is scrupulous and punctual in fulfilling obligations; readily accepts responsibility.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Reasoning: Uses logical, analytical reasoning and/or creative divergent thinking to consider ideas or solve problems. (Originality and elaboration of thinking).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Communications: Communicates effectively.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Organization: Manages time, resources and materials; meets deadlines; divides tasks into subtasks.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Leadership Qualities: Shows respect and tolerance of others' views. Is willing to accept the ideas of others and contributes to the group	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

process. Influences others in a positive manner.					
Success: Displays the ability to succeed in a challenging program.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Completed by (print name): _____

Signature: _____

Relationship to Student: _____

Students must have completed application (including this recommendation) by Friday March 19, 2021.

Recommendation Form

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Guidance Counselor _____

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Completed by (print name): _____

Signature: _____

Relationship to Student: _____

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Part V: Admissions Agreement

The PLTW Biomedical Science Program is a rigorous and specialized program designed for the academically motivated student seeking a more in-depth, hands-on knowledge of each field such as physiology, genetics, microbiology, public health, and more. For a student to be successful in this program and be prepared for the PLTW examination, the student must be committed to a high quality education. Therefore, the PLTW program requires the student and family make the following commitment:

I (we) agree to the following terms and conditions for participation in the PLTW Program:

1. Follow all school rules as specified in the Student handbook.
2. Meet the expectations of each class by participating in daily activities including completing homework, listening attentively, offering relevant comments, posing insightful questions, taking notes, and doing any other activities necessary to meet the expectations set forth in each class.
3. Submit high quality work at deadlines and seek additional assistance from instructors as needed.
4. Maintain an 80% or above average in all PLTW courses as well as in your Science and Math courses.
5. Exemplify the highest degree of academic and personal integrity. Cheating and repeated class disruptions are grounds for dismissal from the program.
6. Remain in the program for the entire 4 course sequence unless released by the recommendations of the current instructor.
7. Continue to be enrolled in rigorous science and math courses in addition to my PLTW course.

I understand that if I do not meet the standards of the PLTW program, I may be asked to withdraw from the program.

Student Signature

Date

I grant permission for my son/daughter, if selected, to be enrolled in the PLTW Program and Ruben A. Cirillo High School. I will also support my child's academic growth and encourage development of independent study skills.

Parent/Guardian Signature

Date