

PURDUE POLYTECHNIC HIGH SCHOOL

Dear Future Techie,

We are honored that you are considering Purdue Polytechnic High School. We are excited to share our innovative educational model with you. At PPHS, we recognize that the student is the most important part of our school and we designed the Purdue Polytechnic High School from the ground up with that in mind. It should start first with a problem that you, as the student, are trying to solve. Those problems should not be something that we design for you but that you design yourself within a broader challenge.

We want you to find something that you are really interested in. It could be something like, saving a species of animal or having fresh food in your neighborhood. We want to help you work on things that actually matter to you. Within that, we can design all kinds of academic inserts. The idea is that the problems you choose lead you to what you need to know, not what you are told to know. Then, you can start thinking to yourself, “I need to know things about Biology, I need to know things about Algebra, English or I need to be able to present my ideas in ways that inspire and convince people.” In working to solve a problem that actually matters to you, gaining academic knowledge won’t have to be forced on you, it will become something you seek out.

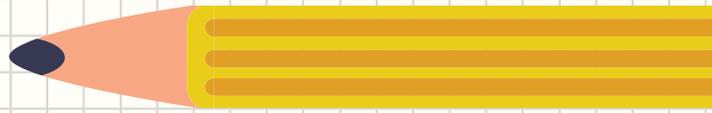
Our model is set up to encourage students to be passionate, self-directed learners with the grit and determination to see them through to a rigorous post-secondary education, or a challenging, sustainable career. We can't wait to see what you will accomplish.

Sincerely,

The PPHS Network Team



Polytechnic High School



PPHS DEFINED

Just about everything is different at PPHS, including our vocabulary! Here's your handy "Techie Translation" guide!

PLC

PLC is like a homeroom. Students see their PLC Coach twice a day. PLC Coaches provide feedback and support with grades, scheduling and personal growth.

PLT

PLT is Personal Learning Time. This is time for students to work independently through modules with support from coaches if they need it!

CHALLENGES

Challenges are the projects students complete with industry partners. They answer tough questions, build prototypes and create business plans!

DOJOS

Dojos are small group lessons to tackle specific topics. Students that are either struggling or excelling in a specific lesson are invited to work with a content coach to dive deeper or troubleshoot problems.

COACHES

Coach is our way of saying teacher. We believe in educational coaching at PPHS. Students take an active role in their learning and coaches provide encouragement, opportunities and support!

EDMENTUM

Edmentum is the online learning platform PPHS uses. Most courses will have an Edmentum component worth up to 50% of their course grade.

COMPETENCIES

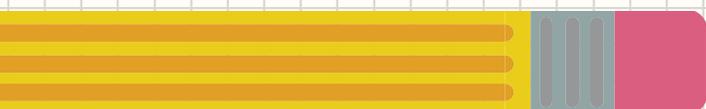
Competencies are the skills identified by employers and colleges as most important for new graduates. Examples: data analysis, historical thinking, and professional communication

CYCLES

Project Cycles take place every 6 weeks. Our 9th and 10th graders partner with a different industry partner and pitch a new idea every cycle. Families will get a progress report every cycle.

PASSION PROJECT

Passion Projects are teacher-designed projects that students elect into. These include everything from designing a video game to CSI to Genealogy.



Purdue Polytechnic High School

Cycle Challenges

Year One



How might we use emerging technologies to reshape an existing or future industry?



How might we move people or products farther, faster, cheaper, and more efficiently?



How might we optimize a machine?



How might we revitalize urban neighborhoods in our community?



How might we power the world's innovation with great efficiency and access?



How might we create or enhance products or services to help community members lead healthier lives?



Year Two



How might we use emerging technologies to reshape an existing or future industry?



How might we sustain and conserve the natural environment?



How might we grow and produce quality food to serve the local community?



How might we create new and better food sources to feed nine billion people by 2050?



How might we extend the healthy human lifespan worldwide?



How might we allocate \$100 million dollars to elevate central Indiana families out of poverty?



Core 40 with Direct Admittance to Purdue Polytechnic Institute

English - 8 Credits

English 9 (2)
English 10 (2)
English 11 (2)
English 12 (2)

Mathematics - 8 Credits

Algebra 1 or Integrated Math 1 (2)
Algebra 2 or Integrated Math 2 (2)
Geometry or Integrated Math 3 (2)
Additional Core 40 Math Course (2)

Science - 6 Credits

Biology 1 (2)
Chemistry 1 or Physics 1 or Integrated
Chemistry-Physics (2)
Additional Science Course (2)

Social Studies - 6 Credits

US History (2)
US Government (1)
Economics (1)
World History or
Geography/History of
the World (2)

Directed Electives - 5 Credits

At least 4 credits in World Language (4)
Career/Technical Education (1)
or
Fine Arts (1)

PE & Health - 3 Credits

Physical Education (2)
Health (1)

Electives - 6 Credits

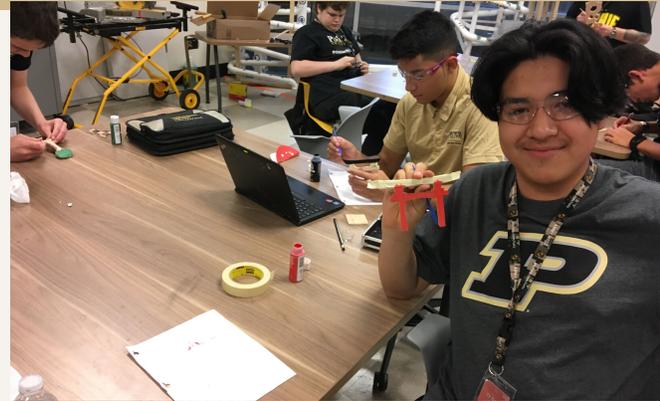
Additional Requirements

- GPA 3.4
- ACT 20 or SAT 1050
- Application Submitted by 11/01 of Senior Year

PPHS COMPETENCIES

HOW STUDENTS USE WHAT THEY LEARN

- Develop and use models
- Analyze and interpret data
- Make sense of problems and persevere in solving them
- Reason abstractly and quantitatively
- Use appropriate tools strategically
- Attend to precision
- Historical thinking
- Understand diverse perspectives
- Engage in personal or collaborative action
- Key ideas & textual support
- Analyze, integrate and evaluate sources
- Structural elements & organization
- Synthesis and connection of ideas
- The iterative process
- The research process
- Language conventions
- Speaking and listening
- Growth mindset
- Responsibility
- Self-regulation



PPHS GRADING

HOW ARE STUDENTS LEARNING?

Personal Learning Time

Students use Personal Learning Time to progress through the content of each course at their own pace. When students reach a point where they need help, PPHS coaches are here to support them individually or provide small group instruction.



Projects

Projects are where students learn and practice skills that will benefit them in the future. Each project is aligned to competencies that have been identified by colleges and employers as the most important skills for new grads to have. These include skills like team work, data analysis and historical thinking. Course grades are typically made up of 50% competency grades and 50% Edmentum course grades.



Design Challenges

In 9th & 10th grade, students participate in 12 Industry Projects where they identify and solve problems aligned to the major industries in Indiana and fields at Purdue Polytechnic. Students take tours of partner organizations and work with them to solve challenge questions. Throughout the project, students work in teams, create prototypes and pitch their ideas.



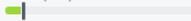
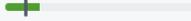
PPHS GRADING

HOW DO I CHECK MY STUDENT'S GRADE?

Most course grades will be calculated using 50% of a student's Edmentum grade + 50% of a student's competency average. Some courses may have a lab component that will factor into their grade. Students & families will be notified if their course calculation deviates from the normal 50% Edmentum / 50% competency calculation.

Edmentum

You can view your students current progress in real time by logging into their Edmentum account. The "Current Grade" percentage is their grade on the work that has been completed. The "Course Grade" would be their grade if they stopped the course right now. The third number is the percent of the course they have completed.

 PPHS Geometry PPHS Geometry Last accessed: 8/28/2019, 2:19pm	CURRENT GRADE 84.00% (B)	COURSE GRADE 2.47% (F)	6/75 (8%) 	TIME ON TASK 04:44:00	 1 
 PPHS Health PPHS Health Last accessed: 8/21/2019, 2:15pm	CURRENT GRADE 100.00% (A)	COURSE GRADE 8.28% (F)	7/40 (18%) 	TIME ON TASK 01:05:44	

Competencies

Student progress on competencies is housed in Alma. You can login to Alma to view these at any time. Each competency will have up to 5 pieces of evidence to support their grade. An average of the competency scores will make up their competency grade. Students can always improve their competency grade by providing new evidence throughout their projects. When a sixth piece of evidence for a competency is collected it will replace their lowest scoring piece of evidence.

PPHS Proficiencies - PPHS Proficiencies							
Develop and use models	APP	PRO	APP	NE			ADV
Analyze and interpret data	PRO						
Make sense of problems and persevere in solving them		APP					
Reason abstractly and quantitatively	ADV						

Progress Reports

PPHS will send home a progress report every six weeks. This will show where your student is currently at in each course, but keep in mind students can ALWAYS improve their grades, nothing is set in stone until graduation. If you'd like to discuss anything on this progress report, your student's PLC or Advisory Coach is the best contact for you.



What's Next?

Become a PPHS Techie

PPHS operates on a lottery system for all locations. PPHS Indianapolis locations utilize the common enrollment system, Enroll Indy. PPHS South Bend will operate a lottery system through our website, please visit pphs.purdue.edu to apply for the lottery. We hope to see you next year!



1

Enroll Indy

Apply Online

Apply during the first round of matching to have the best chance at getting your first pick! Make sure to select the correct PPHS location!



2

Get Your Match

Celebrate on Match Day!

When the enrollment window ends PPHS releases your match and will reach out with next steps! Make sure to let us know you plan to attend.



3

Finish Registration

Fill out your official registration!

After your match, we'll need some information! Fill out your paperwork and finish out the year strong! We will be excited to see you in August!

Questions?

Email: admissions@pphs.purdue.edu

