

PTEC SAC Meeting

Feb. 2024

Mill Levy Override Funds

- Carryover MLO Funds from previous years: \$53,860
- Estimated MLO Funds from 2023-24: \$42,244
- At the last meeting, we discussed use of MLO funds for fencing; however, fencing already has been incorporated into the JI construction budget and funding.
- Request has been made to use funds for staff recruitment and retention.
- Discussion: Are there other needs to consider? Equipment in the shops that is non-operational?
 - Greatest need at this time is staffing. Many of the previous issues of equipment have been resolved in the new facility.
- Committee approved use of funding for staffing.

Winter MAPS Data Overview

MAPS testing is conducted with students in 6th - 10th grade. Several factors may have impacted data validity.

- MAPS was originally scheduled for the week after Thanksgiving, but had to be postponed due to a water main break and impending finals.
- Testing was rescheduled for January, but was further delayed by weather closures and a school threat.
- A power outage interrupted testing for approximately 30-45 minutes.
- Sixth and seventh grade tested as a combined group and student behaviors created a non-standard testing environment.

Pre-Testing

- Mrs. Dias met with students to establish personalized goals based on their performance on August assessments.
- The administrative team established incentives for students to meet goals:
 - 1 goal: Snack Shop
 - 2 goals: T-shirt pass
 - 3 goals: Hoodie pass
 - 4 goals or above the 85th percentile in all content areas: Movie party with popcorn and soda

Reading the Data

Growth: 50th percentile indicates typical growth for a single semester of instruction. Growth above 50th percentile indicates that students are growing at a rate above the national norms.

Achievement: 50th percentile achievement indicates that students are performing in the average achievement for their grade level based on national norms. A correlation study completed between MAPs testing and CMAS testing indicates that students Meet or Exceed Colorado Standards when MAPS scores are above the 65th percentile.



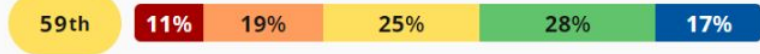
PTEC consistently meets or exceeds state growth expectations across grade levels. PTEC does not have a minimum academic testing entry requirement, which means that we are often needing to bring students forward multiple grade levels, which takes 2-4 years to begin reaching achievement goals.

Math

SCHOOL PROFILE

Growth and Achievement Overview

Power Technical (PTEC) | Math K-12

Grade		Number of Students
All Grades	<p>Growth Median and Distribution</p>  <p>A horizontal stacked bar chart showing the distribution of growth scores. The segments from left to right are: 25% (dark red), 16% (orange), 15% (yellow), 17% (green), and 27% (blue). A yellow circle on the left contains the number 54th.</p> <p>Achievement Fall 2023-2024 Median and Distribution</p>  <p>A horizontal stacked bar chart showing the distribution of achievement scores for Fall 2023-2024. The segments from left to right are: 14% (dark red), 15% (orange), 27% (yellow), 29% (green), and 15% (blue). A yellow circle on the left contains the number 56th.</p> <p>Achievement Winter 2023-2024 Median and Distribution</p>  <p>A horizontal stacked bar chart showing the distribution of achievement scores for Winter 2023-2024. The segments from left to right are: 11% (dark red), 19% (orange), 25% (yellow), 28% (green), and 17% (blue). A yellow circle on the left contains the number 59th.</p>	263

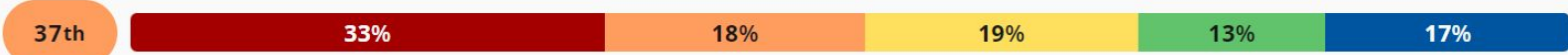


Percentiles Key ● 1st - 20th ● 21st - 40th ● 41st - 60th ● 61st - 80th ● >80th

Rostered Winter 2023-2024
Tested Fall 2023-2024 - Winter 2023-2024

Reading

Growth and Achievement Overview

Power Technical (PTEC) | Reading

Grade		Number of Students
All Grades	<p>Growth Median and Distribution</p>  <p>A horizontal stacked bar chart showing the distribution of growth percentiles. The segments from left to right are: 33% (dark red), 18% (orange), 19% (yellow), 13% (green), and 17% (blue). A callout bubble on the left indicates the median is at the 37th percentile.</p> <p>Achievement Fall 2023-2024 Median and Distribution</p>  <p>A horizontal stacked bar chart showing the distribution of achievement percentiles for Fall 2023-2024. The segments from left to right are: 9% (dark red), 20% (orange), 28% (yellow), 28% (green), and 15% (blue). A callout bubble on the left indicates the median is at the 56th percentile.</p> <p>Achievement Winter 2023-2024 Median and Distribution</p>  <p>A horizontal stacked bar chart showing the distribution of achievement percentiles for Winter 2023-2024. The segments from left to right are: 16% (dark red), 16% (orange), 30% (yellow), 26% (green), and 12% (blue). A callout bubble on the left indicates the median is at the 52nd percentile.</p>	264

Percentiles Key ● 1st - 20th ● 21st - 40th ● 41st - 60th ● 61st - 80th ● >80th

Rostered Winter 2023-2024
Tested Fall 2023-2024 - Winter 2023-2024

Note: This was the content area most impacted by closures and disruptions.

Language Usage

School Profile													
Growth and Achievement Overview Power Technical (PTEC) Language Usage													
Grade	Number of Students i												
All Grades	250												
<p>Growth Median and Distribution</p> <table border="1"> <tr> <th>Percentile</th> <th>Percentage</th> </tr> <tr> <td>55th</td> <td>22%</td> </tr> <tr> <td>21st - 40th</td> <td>17%</td> </tr> <tr> <td>41st - 60th</td> <td>15%</td> </tr> <tr> <td>61st - 80th</td> <td>17%</td> </tr> <tr> <td>>80th</td> <td>29%</td> </tr> </table>		Percentile	Percentage	55th	22%	21st - 40th	17%	41st - 60th	15%	61st - 80th	17%	>80th	29%
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Science

School Profile

Growth and Achievement Overview

Power Technical (PTEC) | Science K-12

Grade		Number of Students i
All Grades	<p>Growth Median and Distribution</p> <p>Achievement Fall 2023-2024 Median and Distribution</p> <p>Achievement Winter 2023-2024 Median and Distribution</p>	248

Percentiles Key ● 1st - 20th ● 21st - 40th ● 41st - 60th ● 61st - 80th ● >80th

Rostered Winter 2023-2024
Tested Fall 2023-2024 - Winter 2023-2024

Actions Taken After Testing

- Students who met or exceeded their goals were provided with incentives:
 - 219 students met at least one of their goals
 - 149 students met 2 or more goals
 - 84 students met 3 or more goals
 - 42 students met all 4 goals or scored above the 85th percentile in all content areas
- All students who scored below the 30th percentile in Reading or Math were invited to participate in after-school academic tutoring.
 - Sessions began the first week of February
 - Efficacy data will be measured using MAPS testing in late March (prior to Spring Break)
 - Tutoring is conducted from 3:15 - 3:45 (during teacher contracted hours)
 - Math meets on Mondays and Wednesdays and Reading meets on Tuesdays and Thursdays
 - Students were assigned groups based on testing performance

PTEC Graduation Pathways Discussion

- The mission of Power Technical is to prepare students to enter the workforce with the skills necessary to be successful in a trade, while also having the character and work ethic to become the most valuable members in their chosen trade.
- PTEC's charter, mission, and funding are centered around preparing students for success in a trade.
- Three pathway options are provided to students:
 - Diploma with Trade Certifications
 - Diploma with AAS in a skilled trade
 - Diploma with college endorsement

Diploma with Certifications

This pathway is intended for students who intend to enter the trades or military service directly after high school.

Students meet the requirements for a high school diploma as well as completing certifications during their CTE class.

Diploma with Associate of Applied Science (1/2)

Students can take up to two years following graduation to receive an AAS tuition-free, through the federally funded Pathways in Technology Early College High Schools (P-TECH) program in partnership with Pikes Peak State College. General fees, course fees, and textbooks are the student's responsibility. The Colorado Opportunity Fund is applied to the P-TECH AAS degree each semester.

Concurrent enrollment coursework may be available as early as a student's sophomore year. Students may only take concurrent courses that are aligned with their PPSC AAS degree program.

PTEC does not have a partnership with PPSC for a student to get an Associates of Science (AS) or Associates of Arts (AA) degree.

Diploma with Associates of Applied Science (2/2)

The following AAS trades pathways are currently funded at PPSC per the P-TECH partnership agreement:

- AAS Machining Technology (Advanced Manufacturing Emphasis)
- AAS Machining Technology (Machining Emphasis)
- AAS Architectural Engineer / Construction Management
- AAS Building and Construction Technology (Carpentry Emphasis)
- AAS Building and Construction Technology (Electrical Emphasis)
- AAS Building and Construction Technology (Masonry Emphasis)
- AAS Building and Construction Technology (Plumbing Emphasis)
- AAS Heating, Air Conditioning, & Refrigeration Technology
- AAS Computer-Aided Drafting (Robotics and Automation Emphasis)
- AAS Computer-Aided Drafting (HVAC Emphasis)
- AAS Computer-Aided Drafting (Mechanical Emphasis)
- AAS Welding
- AAS Diesel Technology
- AAS Automotive Technology
- AAS Collision Technology
- AAS Fire Science Technology
- AAS Fire Science Wildland
- AAS Robotics

Diploma with College Endorsement

This diploma program is for students who plan to pursue a four year degree at a traditional university or college following PTEC graduation.

This degree plan has additional graduation requirements: 2 semester hours of World Languages and 2 additional semester hours of Mathematics. For the college endorsement diploma, Algebra I is the lowest accepted course of the four year series.

Students who opt for this plan must do so in time to meet the additional graduation requirements. They should consult the school career advisor for the best course of action depending on their major.

PTEC does not offer concurrent enrollment for this graduation type due to charter and P-TECH restrictions.

Next Meeting

Tuesday, April 30 at 5:30 PM

For All Pathways

Students are required to meet the course credit requirements as outlined in the student handbook and on the PTEC website.

Additionally, every student graduating high school is required to demonstrate readiness for college and a career in reading, writing, and communicating (RWC), and mathematics through an outside testing or certification agency. This requirement may be met with passing scores on:

- Industry Certifications
- ACCUPLACER (Next Generation) : PPSC uses this as placement testing.
- ASVAB (Armed Services Vocational Aptitude Battery)
- SAT
- Concurrent Enrollment Classes (RWC: ENG1021, ENG1031, or CIS1018; Math: MAT1140)