



# White Plains City School District Instructional Budget 2018-2019

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PRESENTATION TO THE BOARD OF EDUCATION  
FEBRUARY 12, 2018

# Important Note

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It is important to note that this presentation is part of a larger discussion related to the creation of and presentation of the 2018-2019 WPCSD Preliminary Budget (March 12, 2018)

Detailed information related to projected cost will be reviewed during the Superintendent's Preliminary Budget report proceeding on March 12, 2018

Recognition for the dedication and commitment from our administrative team, faculty & staff who have helped to shape our long range plan and vision for the future

# English Language Arts K-12

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Continue the implementation plan for Teacher's College Units of Study in Reading and Writing for grades 3-5, including provision of classroom library resources to support literacy instruction.

Read180: complete upgrade to Universal in grades 8 and 9 (upgrade in grades 6 and 7 occurred in 2017-18)

Shakespeare for all/artist in residence: to extend work in grade 6 with artists in residence at Highlands and High School

Classroom library upgrades and resources in grades 6 through 12  
**(Funded through the existing budget)**

# English as a New Language K-12 and World Language Department

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## Elementary School:

- 0.6 ENL teacher to support the Dual Language program and enrollment of English Language Learners (**est. \$46,000, plus benefits**)

## Middle School:

- 1.0 ENL teacher to support English Language Learners with special needs (**est. \$75,000, plus benefits**)

## High School:

- 1.0 ENL teacher to support English Language Learners with special needs (**est. \$75,000, plus benefits**)

# American Sign Language (ASL) 1 New Course Proposal

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## **Rationale:**

- Proposed in response to student interest at the high school
- Students will become culturally responsive to the needs and challenges of those in the deaf community and acquire skills for communicating with the deaf and hard of hearing
- Enrich the overall spirit of inclusiveness in the WPHS school community

## **Content:**

- Designed to give students a language foundation in ASL

## **Student Population:**

- Students in grades 9-12 may take this course to fulfill the second language graduation requirement (CR Part 100), or as a World Language elective

## **Budget Impact:**

- Requires the addition of a .2 FTE teaching position (**est. \$15,000, plus benefits**)

# District-wide College Readiness: AVID

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Add a second cohort (.2 FTE teaching position) to grade 10 in 2018-19, including students from AVID Excel (added second cohort to grade 9 in 2017-18)  
**(est. \$15,000, plus benefits)**

Continue sending teams of teachers and administrators from each participating building to the AVID Summer Institute **(Funded through existing budget)**

Continue supporting Highlands Middle School in pursuing National Demonstration Status

Support the expansion of AVID Elementary to other buildings

Reassign teaching responsibilities of the AVID District Director  
addition of a .2 FTE teaching position **(est. \$15,000, plus benefits)**

# Mathematics K-6

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Continue to build content knowledge of elementary teachers

- Plan targeted, content-based professional development for K-5 teachers

Continue support for elementary students

- Strategically use Math Instructional Specialists to facilitate in-class, small group instruction

Identify highest quality resources

- K-5 Task Force established to research and recommend a new K-5 textbook series
- Continue implementation of Big Ideas Math in grade 6, including integration of online resources

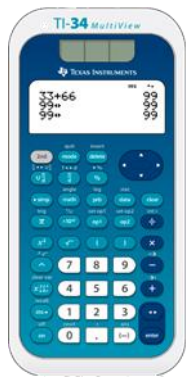
**(Funded through existing budget)**

# Technology Upgrades: Mathematics 6-12

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## Middle School

### Ti-34 Multiview + Teacher Software

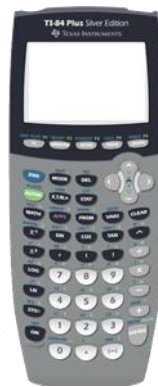


Current calculators do not have the corresponding Ti-SmartView Software and the upgraded OS with MathPrint. Questar has adopted this model as their dropdown calculator for online testing.

**(Funded through existing budget)**

## High School

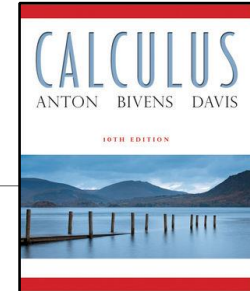
### Ti-84 Plus Graphing Calculators



Students need access to graphing calculators for school and home use. We currently do not have consistency in the use of one model. Most of the “loaners” are the Ti-83 model, which does not hold the new OS.



# Multivariable Calculus (SUPA) New Course Proposal



## Rationale:

- Increase our course offerings to meet the needs of the double accelerated cohort
- Current offering ends with AP Calculus BC

## Content:

- Concepts covered in the course include: vectors, vector-valued functions, functions of several variables, partial derivatives, and multiple integration

## Student Population:

- All students who meet the prerequisite requirements

## Prerequisites:

- Students must receive a minimum grade of B in AP BC Calculus or an A in AP AB Calculus and Calculus II over the summer at an accredited college

## Budget

- Textbooks (Funded through existing budget)
- and an additional 0.2 FTE teaching position (**est. \$15,000 plus benefits**)

$$\int_0^3 \int_{x^2}^9 x^3 e^{y^3} dy dx = \int_0^9 \int_0^{\sqrt{y}} x^3 e^{y^3} dx dy$$

# Science and Engineering K-12

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Expand Project Lead the Way (PLTW) “Launch” Implementation to Grades 4 and 5, addition of a 1.0 FTE teaching position  
**(est. \$75,000 plus benefits)**

Earth Science for All (Grade 8)

- 1.0 FTE to meet the needs of an increased number of students taking a lab **(est. \$75,000, plus benefits)**
- Curriculum development funding to develop a separate lab curriculum
- Purchase of Textbooks **(Funded through existing budget)**

Replacement of obsolete computers in the High School Project Lead the Way (PLTW) lab

**(Funded through existing budget)**

# PLTW Civil Engineering and Architecture New Course Proposal

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## **Rationale:**

- Currently offer five courses in the PLTW *Pathways to Engineering* strand
- Would be offered as an additional elective in the strand

## **Content:**

- A full-year course in which students are introduced to key aspects of building, site design, and development as they learn to use computer-assisted architectural design and modeling software
- May be taken for dual credit through the Rochester Institute of Technology

## **Student Population:**

- All students who meet the prerequisite requirements

## **Prerequisite:**

- *Algebra I*

## **Budget:**

- PLTW training for teacher (Funded through existing budget)

# Computer Science Pathway 9-12

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Computing is an integral part of our world

NYS is in the beginning stages of using the Computer Science Framework

- Development of computer science curriculum
- Critically engage students in solving computer science issues that will result in the development of practical, personal, and/or societal solutions
- Build capacity for teaching computer science

WPHS is developing the Project Lead the Way (PLTW) *Computer Science Pathway*, in which students learn problem-solving strategies, critical thinking skills, and how to communicate and collaborate in a computing environment

**(Funded through existing budget)**

# PLTW Computer Science Essentials (CSE)

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## **Rationale:**

- To build the PLTW *Computer Science Pathway*, we added the first course in the sequence, PLTW *Computer Science Essentials*, as an elective course in 2017-2018

## **Content:**

- Concepts covered in the course include: visual, block-based programming to text-based programming – intro to MIT App Inventor and Python to create apps and develop websites
- Computational thinking practices to solve problems, put designs into practice, and create values for others
- Preparation to advance to Computer Science Principles

## **Student Population:**

- Offered to students in grades 9-12 as an elective

## **Prerequisites:**

- Administrator's approval for grade 9 students who have not taken *Computer Applications for Business and Life*

## **Impact on Budget:**

- **None (PLTW trained in 2017)**

# PLTW Computer Science Principles (CSP) New Course Proposal

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## **Rationale:**

- Expanding the PLTW *Computer Science Pathway* in which students learn problem solving strategies, critical thinking, and how to communicate and collaborate in a computing environment

## **Content:**

- Python as a primary programming language and tools that foster creativity and collaboration
- Explore career paths that utilize computing
- Projects and problems include: app development, visualization of data, cybersecurity, and simulation

## **Student Population:**

- Offered to students in grades 10-12 as an elective

## **Prerequisite:**

- PLTW *Computer Science Essentials*

## **Impact on Budget:**

- **PLTW training for teacher (Funded through existing budget)**

# Social Studies K-12

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## Focus on Social Studies Practices:

- Gathering, Interpreting and Using Data
- Chronological Reasoning and Causation
- Comparison and Contextualization
- Geographic Reasoning
- Economics and Economic Systems
- Civic Participation

**(Funded through existing budget)**



# SUPA: U.S. History I & II (Grade 11) New Course Proposal

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This course is a dual enrollment course between White Plains High School and Syracuse University. Upon successful completion of both courses students will earn 6 college credits.

- SUPA U.S. History I covers the period from the U.S. origins to 1865
- SUPA U.S. History II covers the period from 1865 through the present.

Students will be able to develop a greater appreciation for the history of the U.S. and dive deeply into specific subjects, while still preparing for the United States History Regents. The final for this course will not be the regents but an exam that will reflect the rigor of the course.

Students paying the (discounted) fee for SU credit will receive a Syracuse University transcript. This course receives Honors weighting.

**Prerequisite:** Global History with a final grade of A- or Higher as well as a grade of 90 or higher on the Global History Regents. Students enrolled in WHAP with a final grade of B or higher as well as a grade of 90 or higher on the Global History Regents

Recommended for students who are entering their first college level course

**Impact on budget: None**





# From Farm to Table-The Economics of Food New Course Proposal

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**Half Year - ½ credit, Grade 12**

The Economics of Food is an **Honors** level alternative for students who have a passion for food and want to use that passion as a medium through which they can master economic concepts and thinking.

Like the Economic of Sports class, this course would follow the state guidelines and meet the requirements for Economics credit.

**Prerequisite:** U.S. History or A.P.U.S.H.

**Impact on budget: None**

# Action Civics: Engaging in Democracy New Course Proposal

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**Half Year: 1/2 credit**

**Grade: 12**

This course will concentrate on government institutions and public interaction with these institutions.

Students will learn about the foundations of American democracy, their rights and responsibilities in it, and the various ways they can participate in our government and society.

This course will satisfy the semester government or participation in government course that is mandated by New York State's Department of Education as a requirement for graduation.

**Prerequisite:** U.S. History or A.P.U.S.H.

**Impact on budget: None**



# Fine Arts K-12

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Continue robust arts programs at the elementary, middle, and high school levels

## Addition of Music Education Software Budget Code

- Funding targeted to instructional technology, specifically in grades 6-8 for all students to support access to Smart Music on their iPads and at home

**(est. \$5,000 increase)**



# Special Education K-12

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Improve access to general education classrooms for students with learning differences

Expansion of Integrated Co-Teaching at Ridgeway and Mamaroneck Avenue School

- **Budget neutral with reallocation of staff from Post Road and MAS**

Implementation of an integrated Emotional Support Program (ESP) at the Eastview campus

- 1.0 FTE Special Education Teacher will provide support to students throughout the day, within the student's general education classroom (**est. \$75,000, plus benefits**)
- Over the next three years, anticipated roll up of the program to both Highlands and WPHS

Addition of a 1.0 FTE Special Education Teacher at WPHS to support increased numbers of students with Individual Education Plans (**est. \$75,000, plus benefits**)

Maintain a continuum of self contained programs to support the education of students within the school district

# Physical Education and Health K-12

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We will continue with initiatives and goals currently in place which include:

- Strategically and appropriately integrate technology into curriculum
- Build greater capacity in the areas of Project Adventure & Challenge-based Activities
- Challenge students by presenting higher order thinking questions and by cultivating critical thinking and problem-solving skills
- Build connections with community and outside organizations to further student physical literacy knowledge and experiences

**(Funded through existing budget)**

# Physical Education and Health 9-12

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## Modifications to White Plains High School Program Sequence:

- Health Education – one section per teacher - will be offered as a year-long, every other day course (.5 credit). This option will be in addition to the traditional Health Education format of everyday for one semester (.5 credit) that will be the standard course offering.
- Physical Education Aquatics class – a freshman class traditionally that will now be open to a significant cohort of sophomore students. All students will complete Aquatics and Fitness within their freshmen and sophomore years as has been the past practice. The sequence may be Aquatics as a freshman and Fitness as a sophomore or vice versa.

**(Funded through existing budget)**

# Student Activities 9-12

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Support the growth of clubs that have exceeded the requirements of their current club level, and have made a request for a club level increase

Support existing groups that are not official clubs, but would like to request a Level 1 club status

Ultimately, provide high school students with meaningful opportunities for growth within all clubs

**(est. increase of \$4,000.00)**

# Next steps

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Type of Meetings	Topic	Date
Board of Education Meeting – Regular Meeting	Instructional Budget	February 12, 2018
Board of Education – Regular Meeting	Non-Instructional Budget	February 26, 2018
Finance Council Meeting	Superintendent’s Preliminary Budget	February 26, 2018
Board of Education – Regular Meeting	Superintendent’ Preliminary Budget	March 12, 2018
Board of Education – Workshop	Budget Workshop	March 19, 2018
Board of Education – Regular Meeting	Budget Adoption	April 9, 2018
Board of Education – Regular Meeting	Budget Hearing	May 7, 2018
Board of Education – Special Meeting	Budget Vote and Election	May 15, 2018