Pre-College Youth Programs for High School Students
July 7–August 1
Middle School Programs and Summer Life on Campus
June 30–August 8
### Pre-College Academic Programs for High School Students

#### Art & Communications
- Acting and Auditioning ........................................... 4
- Digital Photography ........................................... 4
- Machine Sewing Camp ........................................ 4
- Drawing Anatomy .............................................. 4
- Drawing and Painting with Portfolio Review ............. 5
- 2D Animation: Adobe Flash ................................... 5
- Radio Disc Jockey (DJ) and Broadcasting (grades 7-12) ........................................ 5
- Script Writing for Stage and Screen ......................... 5

#### Business
- WP Shark Tank Marketing Strategies ..................... 5
- Careers in Sport Management ................................. 5
- Principles of Management Practice ......................... 5
- Wealth and Management Camp ............................. 5

#### College Readiness
- Academic Writing for College ............................... 5
- College Planning ............................................. 5
- SAT Verbal ................................................... 6
- SAT Math .................................................... 6

#### Math & Physics
- Applications of Mathematics ................................. 6
- Current Trends in Physics .................................. 6
- Astronomy ..................................................... 6
- Pre-Calculus Clinic .......................................... 6
- Algebra I Clinic for Students Completing Grade 8 .................................................. 6

#### Music
- Audio Recording Camp ....................................... 7
- Guitar in Classical, Jazz and Rock ......................... 7
- 22nd Annual Jazz Workshop ................................ 7
- Songwriting and Music Industry Camp .................. 7
- Rock Band Experience ..................................... 7

#### Science and Social Science
- Anatomy and Physiology .................................... 7
- Robotic Systems: Using Microcontrollers ............... 7
- A Mountaintop View of Geology .......................... 8
- Genetic Engineering, CSI, and Bioethics ............... 8
- 3D printing scaled organic models ..................... 8
- Future Nurses .............................................. 8
- Anthropology and Exploration of Cultures ............. 8

#### Technology
- C++ Programming ............................................ 8
- Computer Forensics and Cyber Crime .................. 8
- Game Design for High School ............................. 9
- Virtual World .............................................. 9
- Mobile App Development .................................. 9

#### Writing, Languages, & Education
- Academic Writing for College ............................. 9
- Future Teacher Academy ................................... 9
- Summer Writing Institute: Journalism and Fiction .... 9

### Middle School Programs Offerings:

#### July 6-10, 2015
- Money Matters .............................................. 10
- Decorating Cakes .......................................... 10
- Money Matters & Decorating Cakes Combo ............ 10
- Adventures in art History .................................. 10

#### July 13-17, 2015
- Acting and Auditioning ..................................... 10
- Guitar in Classical, Jazz and Rock ....................... 10
- Drawing ..................................................... 10
- Getting Started with 3D Printing ......................... 10
- Future Leaders ............................................ 11
- Apps and Blogs ........................................... 11
- Illustrating Children's Literature ......................... 11
- Children's Story Book Author ............................ 11
- Illustrating Children's Literature & Children's Story Book Author Combo .......................... 11
- Digital Media ............................................. 11
- Machine Sewing Camp (Ages 10-15) ..................... 11
- Sculpture .................................................. 12
- Digital Media & Drawing Combo ......................... 5

#### July 20-24, 2015
- Genetic Engineering and CSI ............................ 12
- Fashion Boot Camp (Ages 11 – 16) ....................... 12
- Game Design ............................................. 12
- CSI Forensics ............................................. 12
- Robotics .................................................. 12
- Genetic Engineering and CSI & Robotics Combo ...... 12

#### July 27 – July 31, 2015
- Short Stories: Creative Writing Camp .................. 13
- Java Programming ....................................... 13
- Digital Movie Making ................................... 13
- C++ ...................................................... 13
- WP Shark Tank Persuasive Communication .......... 13
- Fashion Boot Camp (Ages 11 – 16) ....................... 13
- Computer Fundamentals ................................ 13

#### August 3 – 7, 2015
- Advanced Game Design (Prerequisite: Game Design) 15
- Cartooning Fundamentals & Techniques ............... 15
- TV Production ........................................... 15
- WP Physics for Middle School (grades 5 to 8) .......... 16
- Art of the Sand Mandala ................................... 16
- Web Design ............................................. 16
- Astronomy (grades 5 to 8) ................................ 16
- Voice Your Opinion ...................................... 16

#### New Programs
- Sport Clinics .............................................. 17
- Middle School Residential Option ....................... 17
- Call Your First Witness: Pre/Law ......................... 17
- Anatomy of a Case ....................................... 17
- Start the Music: A Creative Musical Experience for Young Musicians ........................... 17
- Explore the Backyard and it's Organisms ............... 17
- Summer Life on Campus ................................ 18
- Cancellation Policy ....................................... 19

### Contact Information
- Phone: (973)720-2354
- E-Mail: Youthprograms@wpunj.edu

### Pre-College Summer Youth Programs Team
- Iris DiMaio (973) 720-2491
- Alma Diaz (973) 720-3804
- Rosa Williams (973) 720-2354
- Rosemarie Zimmerer (973) 720-3709

### Registration/Student Accounts
- Ross Puglionisi (973) 720-3961

Please check our website for additional programs and clinic dates at www.wpunj.edu/cpe
Handwork Studio’s patient, fun-loving counselors make this camp maybe just the right thing for you… The students who craves making a one-of-a-kind panda unicorn, will experience the fun and excitement of designing and creating their own unique masterpiece. If you have a budding fashionista who enjoys expressing themselves through their clothing, we have developed this machine sewing camp with your child in mind…  If you have a budding fashionista who enjoys expressing themselves through their clothing, we have developed this machine sewing camp with your child in mind…

**Welcome to the wonderful world of machine sewing**

Discover your unique talents and develop self-confidence and good communication skills to be used in any future career. A live mini-performance will showcase your creativity and talent! The program will end at noon on Friday.

**July 13-17 • 9:00 a.m. - 4:00 p.m. • $535 for commuters; $885 for residents (technology fee included)**

**Digital Photography**

This workshop will introduce participants to the essentials of the medium. Participants will be required to provide their own digital camera, which has at least 5.0 mega pixel rating. Students will expand both their technical and artistic skills, allowing them to employ the creative method to develop a more visually stimulating body of work. (Students entering 8th grade or above)

**July 13-17 • 9:00 a.m. - 4:00 p.m. • $335 for commuters; $885 for residents (technology fee included)**

**Machine Sewing Camp (Ages 10-15)**

Welcome to the wonderful world of machine sewing where YOU get to choose! The Handwork Studio has developed this machine sewing camp with your pre-teen in mind. If you have a budding fashionista with a unique sense of style and design or a crafty kid who craves making a one-of-a-kind panda unicorn, this camp maybe just the right thing for you. The Handwork Studio’s patient, fun-loving counselors understand your child wants control over their choices. Whether it is choosing from more than 20 patterns or bolts and bolts of tempting fabrics, we focus on your child’s confidence and ownership in what they make and less on perfect seams. Once again, we are happy to work with Simplicity Creative Group. Their patterns bring style and ease to our curriculum. There are more than enough options and fun to keep your child coming back week after week.

**July 20-24 • 9:00 a.m. - 4:00 p.m. • $335 for commuters; $885 for residents (technology fee included)**

**Drawing and Painting with Portfolio Review**

In this class you will create compelling portfolio drawings of anatomically precise details such as arms, hands, and heads. Bone and muscle structure will be explored through the use of anatomical software presentations and guided drawings as well as direct observation. Emphasis will be placed on understanding the function of bones and muscles in human motion. The program will end at noon on Monday.

**July 27 – 31 • 9:00 a.m. - 9:00 p.m. • $335 for commuters; $885 for residents (technology fee included)**

**2D Animation: Adobe Flash**

Adobe Flash is the leading software used to create 2 dimensional animations for film, video and the Internet. This course introduces the principles of animation and the basics of the Adobe Flash software. Students will design and create a short, character-driven animation of their own, including sound effects and interactive buttons. The program will end at noon on Friday.

**July 27 – 31 • 9:00 a.m. - 4:00 p.m. • $335 for commuters; $885 for residents (technology fee included)**

**Radio Disc Jockey (DJ) and Broadcasting**

This course will immerse students in the fundamentals of being a radio DJ and broadcaster. From planning a radio show, to producing programming content and selecting music, this course will train students how to record, edit and broadcast their creative radio ideas. The class will train in the award-winning WPSC 88.7 FM radio station, named as the Best College Radio Station in the Nation at the 2012 IBS Awards. The class will culminate with students broadcasting live on WPSC and to the world via the online web-stream. The program will end at noon on Friday.

**Open to Middle School and High School students’ grades 7-12**

**July 27-31 • 9:00 a.m. - 4:00 p.m. • $335 for commuters; $885 for residents (technology fee included)**

**Script Writing for Stage and Screen:**

*Review* for anyone passionate about art! You will also discover useful skills in the creation and presentation of an art portfolio. The program will end at noon on Friday.

**July 27 – 31 • 9:00 a.m. - 4:00 p.m. • $335 for commuters; $885 for residents (technology fee included)**

**Business**

- **WP Shark Tank Marketing Strategies**
  - This workshop has been designed to target a high school audience eager to learn about the fundamentals of effective business strategy, dynamics of marketing, including the complexities faced by a company as it markets its goods, services, and ideas. This workshop also focuses on persuasive communication and influence skills which are an extension of our personality. The I.D.E.A. (Instruction, Demonstration, Experience, and Assessment) process that has been adopted will enable students to maximize their development by utilizing proven sales techniques to have an immediate impact to influence others. Students will be recorded and provided with team and facilitator feedback in our College of Business Russ Berrie Institute Lab based on the techniques they studied in class. Students will be able to take home a DVD of their sales engagements to assist them in advancing their current skill levels. If you are getting ready for college and want to stand out in the minds of college recruiters, this workshop is for you.

  **Check the website for most up-to-date course information at www.wpunj.edu/cpe**
SAT Verbal*
Get ready for the SAT’s writing and critical reading portion as you strengthen your test-taking skills by increasing your vocabulary and writing skills to receive a score that reflects your ability. Other tools to be covered include time management, scoring strategy, anxiety relief, and tricks to get into the SAT mindset, along with a discussion about the ACT. Leave with the tools and confidence to take your score to the next level.

July 13-24 9:00 a.m. - 12:00 p.m. $499 for commuters
SAT Verbal 9:00 a.m. - 12:00 and SAT Math 1:00 p.m. - 4:00 July 13-24 Combo 9:00 p.m. - 4:00 p.m. $899 for commuters; $1699 for two weeks residential
SAT Math*
Preparing for the SAT is always recommended and encouraged. Learn the ins-and-outs of the test’s math portion as you strengthen test-taking skills to receive a score that reflects your ability. Other successful tools will include time management, scoring strategy, anxiety relief, and tricks to get into the SAT mindset, along with a discussion about the ACT. Leave with the tools and confidence to take your score to the next level.

July 13-24 1:00 p.m. - 4:00 p.m. $499 for commuters
SAT Verbal 9:00 a.m. - 12:00 and SAT Math 1:00 p.m. - 4:00 July 13-24 Combo 9:00 p.m. - 4:00 p.m. $899 for commuters; $1699 for two weeks residential

*Note: Students in the graduating class of 2016, 2017 and 2018 that fail the PARCC test can use SAT Critical Reading and/or Math (passing score of at least 400) as substitute competency test to fulfill their High School test requirements.

Math & Physics
Applications of Mathematics
The objectives of this course are to enable participants to: (i) experience the ubiquity of math in our daily lives; (ii) understand the universality and applicability of mathematics by using the similar mathematical tools in seemingly diverse areas; (iii) develop critical thinking; and (iv) recognize the importance of mathematics in their future careers. Participants will investigate scenarios from science, business and/or industry using mathematical tools and critical thinking. Case-studies will range from simple to complex problems, with an emphasis on mathematical modeling, analysis and interpretation of solutions. Most of the mathematical concepts required will be discussed during the sessions; however, participants are expected to know at least Algebra I. Prior knowledge of Calculus is beneficial but not required. All participants will also work individually or in groups, on related projects and present their findings on the last day. The program will end at noon on Friday.

July 13 - 17 9:00 a.m. - 4:00 p.m. $885 for residents

Current Trends in Physics
Students can develop high-level skills as they explore physics by using fun experiments and demos such as an air rocket lab and a roller coaster project. This workshop offers a unique educational experience geared toward students’ high abilities and to the need for peers who share their academic abilities and their love of learning. The program will end at noon on Friday.

July 13 - 17 • 9:00 a.m. - 4:00 p.m. • $625 for commuters; $945 for residents (lab fee and materials included)

Astronomy
Astronomy is a survey course that begins with the study of our own solar system and how the individual planets are related to each other. Progressing outward, Astronomy includes the study of stars, including our sun, from birth to death, black holes, quasars, galaxies, the universe, and concludes with the possibility of life found elsewhere in the universe.

July 13 - 17 • 9:00 a.m. - 4:00 p.m. • $535 for commuters; $945 for residents (lab fee and materials included)

Pre-Calculus Clinic
The course objective is to prepare students entering grades 10, 11 and 12 for calculus by introducing and investigating important transcendental functions (exponential, logarithmic and trigonometric) including their properties and applications. Students integrate the knowledge of algebraic functions with transcendental functions and further develop critical thinking in problem solving.

July 13 - 24 • 9:00 a.m. - 12:00 p.m. $535 for commuters (lab fee and materials included)

Pre-Calculus Clinic and Academic Writing for College
Academic Writing 9:00 a.m. - 12:00 and Pre-Calculus 1:00 p.m. - 4:00 July 13-14 Combo 9:00 p.m. - 4:00 p.m. $899 for commuters; $1699 for residents

Algebra I Clinic for Students Completing Grade 8 June 2015
Algebra Clinic is designed for students who need a refresher or who want to enhance their algebra skills before going back to school in September. This is a great opportunity to get ready for the PARCC test in algebra. Topics will include: operations of real numbers and their properties; solving linear equations and inequalities; writing and evaluating algebraic expressions; identifying and evaluating functions; writing linear equations; graphing systems of equations and inequalities; working with operations of polynomials; factoring polynomials; solving quadratic equations and basic concepts of statistics.

July 27-31 • 1:00 p.m. - 4:00 p.m. • $239 (lab fee and materials included)

Music
Audio Recording Camp
Learn about the art and practice of recording from industry professionals. Participants will have hands-on experience in a professional recording studio and take part in recording and mixing sessions. Students will also learn about running a recording session, microphone techniques, improving room acoustics, developing critical listening skills, tips on using DAW software and computer interface, signal processing, how to polish a mix, and careers in audio. The program will end at noon on Friday.

July 13-17 9:00 a.m. - 4:00 p.m. • $535 for commuters; $885 for residents

Guitar in Classical, Jazz and Rock
Designed to provide students with an intensive and fast-paced experience, this program exposes them to new concepts and skills in preparing to perform on the guitar. They will receive private lessons and master classes, and participate in daily ensemble rehearsals and classes in technique, guitar history, performance development, and other related topics. Students who have completed their 8th grade in June 2014 have the option to stay on campus and experience residential life on the University campus.

July 13-17 9:00 a.m. - 4:00 p.m. • $535 for commuters; $885 for residents

22nd Annual Jazz Workshop
This special workshop, open to both commuters and on-campus residents, is seven intense days of improvisation and performance for students fourteen and older. It offers ten exciting small jazz ensembles, and classes in improvisation, arranging, and history, and features world-renowned artists in nightly clinics and concerts including an evening at a legendary New York City jazz club.

July 19-25 9:00 a.m. - 9:00 p.m. • $799 for commuters; $1125 for residents

Songwriting and Music Industry Camp
Study songwriting and the business of the music industry from industry pros and William Paterson University faculty members. This summer camp will include: the art of songwriting; the art of lyric writing; creativity and the creative process; song promotion; powerful pop chord progressions; song structure; writing to a track; the creative life; performance rights organizations; recording companies; contracts; social media’s role in the music and entertainment industry. The program will end at noon on Friday.

July 20-24 9:00 a.m. - 4:00 p.m. • $625 for commuters; $945 for residents (lab fee and materials included)

Rock Band Experience
Get Ready to Rock! Highlight include rehearsing with a band under the guidance of professionals, recording a CD, and performing a concert. There are also workshops on the history of rock and the music business. Meet other musicians your age and create lasting memories playing the music you love.

July 27-31 9:00 a.m. - 4:00 p.m. • $535 for commuters; $945 for residents (lab fee and materials included)

Science and Social Science
Anatomy and Physiology
Analyze microscopic characteristics and properties of the human body, examine cheek cells under a microscope, learn the principles of osmosis, and measure the performance of your heart with an EKG system. The program will end at noon on Friday.

July 6 -10 9:00 a.m. - 4:00 p.m. • $625 for commuters; $945 for residents (lab fee and materials included)

Robotic Systems: Using Microcontrollers
Have you ever wondered how technology is interfaced to the real world or how a robot can sense the environment and move about? Embedded microcontrollers are the underlying devices that drive the technology behind today’s automobiles, robots, and cell phones. Learn the fundamentals of microcontrollers, which range from elementary programming to the basic electronics necessary that allow microcontrollers to perform simple tasks. Each student will work individually with the BASIC Stamp microcontroller module and obtain hands-on experience with electronics components and Basic programming. The program will end at noon on Friday.

July 6 -10 9:00 a.m. - 4:00 p.m. • $625 for commuters; $945 for residents (lab fee and materials included)
Future Nurses
This workshop provides a great opportunity to get an inside view of nursing and learn up-to-date procedures. Students are introduced to real-life nursing as they experience patient contact with RN supervision, as well as training for professional CPR certification, including the use of a defibrillator. It also includes a field trip to a medical facility. The program will end at noon on Friday.
July 20-24 • 8:00 a.m. - 4:00 p.m. • $825 for commuters; $945 for residents (lab fee and materials included)

Anthropology and Exploration of Cultures
The goal is to help students understand the human condition through the multi-lensed science of anthropology. By looking at and discussing various contemporary issues, and through a discussion of the concepts of cultural evolution, major belief systems, and conceptions of what it means to BE human, we believe that students will understand and appreciate the diversity of the human experience. The program will end at noon on Friday.
July 20-24 2015 • 9:00 a.m. 4:00 p.m. • $535 for commuters; $885 for residents (technology fee included)

3D Printing Scaled Organic Models
Learn the inner workings of 3D printing. This beginner’s class on 3D printing will teach you the software and hardware skills needed to convert your design ideas into real world 3D objects using the MakerBot 3D printer. Students will learn the basic concepts of computer aided design (CAD) to create 3D generated organic models, then convert the objects into water-tight meshes for final product printing. The class will also introduce the principle of photogrammetry to capture, model and print real world objects like organic figures and sculptures in 3D printer.
July 6-10 9:00 a.m. - 4:00 p.m. • $625 for commuters; $945 for residents (lab fee and materials included)

Computer Forensics and Cyber Crime
This course introduces the basic elements, concepts, tools, and common tasks of computer forensics. It covers the process of identifying, collecting, analyzing, and presenting the e-evidence in court. Topics include email, web, data, document, mobile, and network forensics as well as legal aspects of computer forensics. Technical foundation of the course such as basics of hardware, operating systems, computer networking, and security are also introduced. Wherever applicable, case studies and lab demos will be provided. The program will end at noon on Friday.
July 13-17 9:00 a.m. - 4:00 p.m. • $825 for commuters; $945 for residents (lab fee and materials included)

A Mountaintop View of Geology
Dive into the world of environmental science! Learn about the topography of neighboring High Mountain and how huge boulders made it their home and then test the water quality of nearby streams. Find out how important soil really is. The program will end at noon on Friday.
July 6 -10 9:00 a.m. - 4:00 p.m. • $625 for commuters; $945 for residents (lab fee and materials included)

Genetic Engineering, CSI, & Bioethics
In recent years, science and ethics have become major considerations for the general populace. They are both necessary but must work together. Students will learn both hands-on laboratory techniques related to DNA fingerprinting and genetic engineering as well as discuss some of the most challenging and controversial topics facing our world today, such as stem cell research, animal rights, and research on humans. The program will end at noon on Friday.
July 13 -17 • 9:00 a.m. - 4:00 p.m. • $625 for commuters; $945 for residents (lab fee and materials included)

3D Printing Scaled Organic Models
Learn the inner workings of 3D printing. This beginner’s class on 3D printing will teach you the software and hardware skills needed to convert your design ideas into real world 3D objects using the MakerBot 3D printer. Students will learn the basic concepts of computer aided design (CAD) to create 3D generated organic models, then convert the objects into water-tight meshes for final product printing. The class will also introduce the principle of photogrammetry to capture, model and print real world objects like organic figures and sculptures in 3D printer.
July 6-10 9:00 a.m. - 4:00 p.m. • $625 for commuters; $945 for residents (lab fee and materials included)

C++ Programming
This course introduces the student to C++ programming through discussion and hands on use involving concepts of program specification and design, algorithm development, and coding and testing. Students learn how to write programs in C++ programming language. Topics covered include fundamentals of algorithms, flowcharts, problem solving, programming concepts, classes and methods, control structures, arrays, and strings.
July 6-10 9:00 a.m. - 4:00 p.m. • $625 for commuters; $945 for residents (lab fee and materials included)

Mobile App Development (technology course)
This course introduces the “model view controller” design framework within the context of “event driven programming.” Students will gain an appreciation for, and develop competence in, 21st-century computing skills that emphasize interactivity and networked computing. They will use the two predominant development environments, XCODE/Objective C (for Apple products) and Eclipse/Java (for Android), and will learn the subtle difference between these two predominant platforms. Issues of usability, privacy, and data mining will also be addressed. The program will end at noon on Friday.
July 20-24 9:00 a.m. - 4:00 p.m. • $625 for commuters; $945 for residents (lab fee and materials included)

Writing, Languages, & Education
Academic Writing for College
Academic Writing papers is one of the most important skills you need to master in college. The sooner you develop these skills the greater your chance for academic success. The primary goal of this course is to prepare high school students currently enrolled in AP level humanities courses for the challenges they will face in a college writing course. Along with learning what tools you will need to prepare yourself for the college writing experience, you’ll discover important college survival skills including: time management, emotional intelligence, critical thinking skills, learning styles, being engaged in learning by listening, taking notes, and participating in class. This course can be combined with the pre-calculus clinic for a full day option.
July 13-24 1:00 p.m. - 4:00 p.m. • $535 for commuters (technology fee included)

Future Teacher Academy
The William Paterson University Future Teacher Academy is an excellent introduction to an exciting career in education. High school students will be given a “behind the scenes’ view to teaching and learning new concepts and ideas. The program includes the following activities: opportunities to meet with William Paterson faculty, educational leaders, and teachers to discuss education; meaningful, creative, hands-on learning activities; team building exercises; educational tour of William Paterson’s campus. Each participant will keep a portfolio to document his/her experiences in the Future Teacher Academy. The program will end at noon on Friday.
July 13 to 17 2015 • 9:00 a.m. - 4:00 p.m. • $535 for commuters; $885 for residents (technology fee included)

Academic Writing for College and Pre-Calculus Clinic
Academic Writing 1:00 p.m. - 4:00 p.m. and Pre-Calculus 9:00 a.m. - 12:00; July 13-24 Combo 9:00 a.m.-4:00 p.m. $899 for commuters; $1,695 for residents

Summer Writing Institute: Journalism and Fiction
Aspiring writers who are considering a future as professional journalists, poets, novelists, or public relations specialists are invited to this week-long, intensive institute. The program will introduce emerging writers to diverse forms and styles, including essays, poetry, fiction, reporting, and screenwriting. The program will end at noon on Friday.
July 20-24 9:00 a.m. - 4:00 p.m. • $535 for commuters; $885 for residents (technology fee included)

*Check the website for most up-to-date course information at www.wpunj.edu/cpe
Programs for Middle School Students
William Paterson University offers early preparation, high school skills, awareness and readiness for College and Careers. With over twenty exciting programs to choose from, you become immersed in a unique university experience from June 29 to August 7, 2015.

Programs Offered July 6 -10, 2015

**Money Matters**
In this fun course, students will create a budget, find a place to live and buy a car. They will also make a grocery list, and figure out if they can afford to eat out all week. Life on the University campus...

**Drawing**
The purpose of drawing is to provide each student with specific drawing media experiences and to build basic perceptual skills in terms of drawing from studio set-ups. The student will also gain basic knowledge of the elements of art: line, value, shape/volume, texture, and (some) color to lead to their deliberate manipulation for different types of spatial illusion, compositions, and expressive meaning. (All materials included)

**Decorating cakes**
In this course, students will learn how to decorate a cake from start to finish, while adding their own personal creative flair. Students will learn the skills needed to be a successful cake decorator, including identifying the components of frosting; identifying the tools needed to properly frost a cake and cupcakes; proper frosting techniques; how to mix dye; and how to use decorative tips.

**Want to launch your own cupcake business? Take both Money Matters and Cake Decorating!**
Money Matters and Decorating Cakes Combo

**Adventures in Art History**
July 6 – 10 • 1pm-4pm • $239

**Acting and Auditioning**
Discover your unique talents and develop self-confidence and good communication skills to be used in any future career. A live mini-performance will showcase your creativity and talent!

**Future Leaders**
Who are the leaders of tomorrow? This workshop empowers students to be positive role models and to strive to realize their potential. Learn more about yourself, others, and the world around you through fun and interactive activities. Build techniques to develop trust and collaboration with others. In this 24/7 connected world this program will help students understand different types of conflicts and their origins. Students will receive a certificate of completion at the end of the program.

**Illustrating Children's Literature**
Using several well-known classics of children's literature, students in this workshop will create their own unique responses to these texts. This class will include art making, light reading, conversations and critiques. Creativity, originality and enjoyment will be emphasized; no prior experience in illustration is needed!

**Children’s Story Book Author**
You too can be an author! Learn the components of what makes a children's story good. Discover the world of visual story telling. Design an authentic storyboard, breaking down your story as real authors do. Students will develop their story, discussing the components of a story, the use of humor and mystery and morals of the story. Students’ books will be assembled and bound by week's end. Students will take away a story that they will remember forever and will be shared with anyone who enjoys reading!

**Digital Media and Drawing Combo**
July 13 -17 • 9:00 a.m. - 12:00 p.m. • $459

**Apps and Blogs**
Have you always wanted to be a blogger? Interested in being the most tech savvy App user? Join us as we explore the world of technology—teen style. In this course, we will share tricks, learn about online authoring and Apps you can use to be a super star with your friends and teachers because...educational apps can be fun.

**Illustrating Children's Literature and Children's Story Book Author Combo**
July 13 -17 • 9:00 a.m. - 12:00 p.m. • $459

**Digital Media**
Digital Media is an introduction to the fundamental principles of computer technology in art and design. Students will gain practical understanding of hardware, software, internet technologies and computer file organization. Topics such as saving, printing, scanning, computer systems and preferences as well as an introductory look at the Adobe software suite will be introduced. Additionally, students will gain an understanding of file formats in order to archive work on external drives and internet portfolio sites. Students will continue to explore basic principles of design using digital technology, expand their understanding of visual concepts, and use digital technology as a medium for the creative process and artistic expression. (All materials included)

**Machine Sewing Camp (Ages 10-15)**
Welcome to the wonderful world of machine sewing where YOU get to choose! The Handwork Studio has developed this machine sewing camp with your pre-teen in mind. If you have a budding fashionista with a unique sense of style and design or a crafty kid who craves making a one-of-a-kind panda unicorn, this camp may just be the right thing for you. The Handwork Studio’s patient, fun-loving counselors understand your child wants control over their choices. Whether it is choosing from more than 20 patterns or bolts and bolts of tempting fabrics, we focus on your child’s confidence and ownership in what they make...and less on perfect seams...Once again, we are happy to work with Simplicity Creative Group. Their patterns bring style and ease to our curriculum. There are more than enough options and fun to keep your child coming back week after week.

(AAll materials are included)

www.wpunj.edu/cpe
Transportation for the field trip. Additional materials of Project Runway… As an exciting culmination to the going on a fabric buying field trip and participating goal is to create real life experiences for designers by campers watch their fashion dreams come to life! The will be immersed in the world of fashion design in this award-winning program, aspiring designers will create unique projects with others, and learn creative and critical thinking skills necessary for the construction of sculptural forms. Each class will be blogged online so students can share their creations with friends and family while also building personal portfolios.

July 13 - 17 • 9:00 a.m. - 4:00 p.m. • $239

Programs Offered July 20-24, 2015

Sculpture
This course provides a dynamic week-long introduction to the art of object making. Students will create unique projects with others, and learn creative and critical thinking skills necessary for the construction of sculptural forms. Each class will be blogged online so students can share their creations with friends and family while also building personal portfolios.

July 20 - 24 • 9:00 a.m. - 12:00 p.m. • $239

Game Design
The workshop is designed to provide the beginning skills to developing games. We will cover aspects including planning, managing files, images, strategies, navigation, programming and more. The student will use these concepts and skills, combined with their artistic vision to create at least two sample games. The instructors will be given access to resources to help them succeed including Internet links, materials, plans, guidelines and access to professionals who can answer questions.

July 20 - 24 • 9:00 a.m. - 12:00 p.m. • $239

C++ Programming
Learn the basics of how to create a computer program using Microsoft Visual Studio C++. Take a hands-on approach to create basic utilities (like a calculator) and simple games like “guess the number,” “tic-tac-toe,” and more. Best of all, you get to keep your games!

July 27 - 31 • 1:00 p.m. - 4:00 p.m. • $239

Short Stories: Creative Writing Camp
As your ideas flow, put them down on paper. Learn how to make others hear and see as your characters do. Make them smell and taste a meal, as well as feel a fine napkin. Bring a writing notebook and pencil or pen as you discover how to make words as realistic as film!

July 27 - 31 • 9:00 a.m. - 12:00 p.m. • $239

JAVA Programming
An entry-level class in programming, this course includes an overview of data structures, inheritance, duplication, branching and techniques using JAVA. The class helps beginners gain a basic understanding of JAVA programming, applications and object-oriented programming. Students learn how to write programs in JAVA. Topics covered include fundamentals of algorithms, flowcharts, problem solving, programming concepts, classes and methods, control structures, arrays, and strings.

July 27 - 31 • 9:00 a.m. - 12:00 p.m. • $239

Digital Movie Making
Develop a story concept, engage in the story-boarding process; then create, organize, edit its elements, and publish it to the web as you share it at a culminating student film festival.

July 27 - 31 • 9:00 a.m. - 12:00 p.m. • $239

Robotics
Put your robot to the test with maze races, “battlebot” tournaments, and other exciting challenges. Design, assemble, and program robots that will be able to communicate, move, and think!

July 20 - 24 • 1:00 p.m. - 4:00 p.m. • $239

Digital Movie Making and Short Stories Combo

July 20 - 24 • 1:00 p.m. - 4:00 p.m. • $239

Short Stories and C++ Combo

July 27 - 31 • 9:00 a.m. - 4:00 p.m. • $459

Short Stories Combo

July 20 - 24 • 9am-12pm • $239

Genetic Engineering and CSI
In recent years, science and ethics have become major considerations for the general populace. They are both necessary, but must work together. Students will learn both hands-on laboratory techniques related to DNA fingerprinting and genetic engineering as well as discuss some of the most challenging and controversial topics facing our world today, such as stem cell research, animal rights, and research on humans.

July 20 - 24 • 9:00 a.m. - 4:00 p.m. • $599

Fashion Boot Camp
In this award-winning program, aspiring designers will be immersed in the world of fashion design and ultimately execute their OWN collection! From sketching and draping to sewing and modeling, campers watch their fashion dreams come to life! The goal is to create real life experiences for designers by going on a fabric buying field trip and participating in a workshop led by Jay McCarroll, season 1 winner of Project Runway. As an exciting culmination to the program, campers will have the opportunity to model their design for friends and family. Camp includes a fashion sketchbook, a take-home sewing kit, and transportation for the field trip. Additional materials fee for shopping field trips—approximately $75.

July 20 - 31 • 9:00 a.m. - 4:00 p.m. • $1,285

JAVA Programming and C++ Combo

July 27 - 31 • 1:00 p.m. - 4:00 p.m. • $239

WP Shark Tank Persuasive Communication Middle School Program
Students in this program will learn persuasive communication and influence skills as an extension of their personality. Using I.D.E.A. (Instruction,
writing linear equations; graphing systems of expressions; identifying and evaluating functions; and inequalities; writing and evaluating algebraic great opportunity to get ready for the PARCC test before going back to school in September… This is a refresher or who want to enhance their algebra skills. Grade 8 June 2015

Algebra I Clinic for Students Completing 8th Grade Transition Planning and College Readiness and Algebra I Clinic
July 27-31 • 9:00 a.m. - 4:00 p.m. • $239 (lab fee and materials included)

Rock Band Experience
Get Ready to Rock! Highlight includes rehearsing with a band under the guidance of professionals, recording a CD, and performing a concert. There are also workshops on the history of rock and the music business. Meet other musicians your age and create lasting memories playing the music you love.
July 27 - 31 • 9:00 a.m. - 4:00 p.m. (Lab fee and materials included): $599 for commuters; $899 for residents (students completing 8th grade in June), the resident option is subject to change based on enrollment.

Radio Disc Jockey (DJ) and Broadcasting
This course will immerse students in the fundamentals of being a radio DJ and broadcaster. From planning a radio show, to producing programming content and selecting music, this course will train students how to record, edit and broadcast their creative radio ideas. The class will train in the award-winning WPSU 88.7 FM radio station, named as the Best College Radio Station in the Nation at the 2012 IBS Awards. The class will culminate with students broadcasting live on WPSU and to the world via the online web-stream. The program will end on noon on Friday.
July 27-31 9:00 a.m. - 4:00 p.m. $535 commuter; $899 for residents (students completing 8th grade in June), the resident option is subject to change based on enrollment. (Technology fee included)

Co-Curricular Programs Offered August 3 - 7, 2015

Advanced Game Design (Prerequisite: Game Design)
This course continues gaming design, game development, and coding and testing with Multimedia Fusion 2. Students learn how to create new games from scratch based on their prior experience with Multimedia Fusion 2. These games have storyboards established, objects created and designs revolve around completion within the week. Students will further their beta testing and revision/proofread analysis techniques.
August 3 - 7 • 9:00 a.m. - 12:00 p.m. • $239

Cartooning Fundamentals and Techniques
Ever dream of creating your own comic book? Start here to make your own mini-comic book by using the same techniques as the pros. Topics will include story structure, character design, background design, inking techniques, color concepts, individual styles, editing, and lettering. All levels of drawing are welcome and creativity is encouraged.
August 3 - 7 • 9:00 a.m. - 12:00 p.m. • $239

TV Production
Whether you’d rather be behind the camera or the on-air talent, there is a spot for you! Learn about all the components needed for a successful TV show. Are you into sports? Then you’ll be the sports anchor. Want to create a heart-wrenching story about animals? Then you’ll be the field reporter. During this week-long course, students will learn to develop a story, edit film, identify and use components that make TV viewing interesting and captivate the audience. No experience needed! Just you and your creativity!
August 3 - 7 • 9:00 a.m. - 12:00 p.m. • $239

Elementary Summer Bridge Reading Program: First and Second Grade; Third and Fourth Grade
Reading should be fun and engaging! The purpose of the summer bridge reading program is to improve students reading success from first to fourth grades. Students will be enriched with reading strategies, visualization, and multimedia, to keep their focus on learning with hands-on activities. Students will be assessed and assigned to their appropriate reading level to address their individual needs. This is a two weeks intensive reading and writing program with a variety of differentiated activities focusing on the development of student’s language skills.
July 27 - August 7 • 9:00 a.m. - 12:00 p.m. • $439

Middle School Summer Bridge Reading Program: Fifth and Sixth Grade; Seventh and Eighth Grade
The purpose of this program is to provide students with academic reading skills to transition smoothly and successfully into their next grade level. The William Paterson University’s Summer Reading Program engages middle school students in small, intensive reading classes where they will receive individual attention, become active participants in their learning experience. Students will develop essential skills in reading, writing, public speaking, and critical thinking. This will provide students with the essential skills needed to transition smoothly and successfully into the next grade level. Students will be assessed and assigned to their appropriate reading level to address their individual needs. This is a two weeks intensive reading and writing program with a variety of differentiated activities focusing on the development of student’s language skills.
July 27 - August 7 • 9:00 a.m. - 12:00 p.m. • $439

App Inventor for Middle School Students
July 27 - 31 • 9:00 a.m. - 4:00 p.m. • $485
Check the website for most up-to-date course information at www.wpunj.edu/cpe

Programs Offered August 3 - 7, 2015

Machine Sewing Camp
(Ages 10-15) (Please refer to course description from the week of July 13)
July 27 - 31 • 9:00 a.m. - 4:00 p.m. • $599
WP Physics for Middle School (grades 5 to 8)

We will explore physics by using fun experiments and projects. Projects are summarized as shown below: Designing a Roller Coaster (1) will show how the circular motion equations are related to the roller coaster and the relationships between the potential energy and kinetic energy; Designing a Bridge from balsa wood (2) will challenge students to build strong bridges using the laws of physics like the stress and the strain; Egg Drop Experiment (3) is related to topics like inertia, gravity, momentum, potential and kinetic energy; and Water Balloon Experiment (4) is related to a projectile motion of an object challenge. Additional projects students will work and present are: making electricity from a lemon, and building a simple electric motor.

August 3-7 • 9:00 a.m. - 12:00 p.m. • $239

Art of the Sand Mandala

This will be a studio class; students will explore the concept of the Mandala, and its symbolic geometry through compositions and designs. Final product will include the finished mandala and video documenting the process. (All materials included)

August 3-7 • 1:00 p.m. - 4:00 p.m. • $239

Web Design

The workshop is designed to provide the beginning skills to designing a website. We will cover aspects including planning, managing files, images, color schemes, navigation and more. The student will use these concepts and skills, combined with their artistic vision to create a working website. Students will be given access to resources to help them succeed including internet links, materials, plans, guidelines and access to professionals who can answer questions.

August 3-7 • 1:00 p.m. - 4:00 p.m. • $239

Astronomy (grades 5 to 8)

Students will explore and expand their knowledge of the mystery of our planet and the universe. This activity will consist of hands-on experiments, discussion sessions, and demonstrations. We will use a special computer simulation to understand phenomena such as: how the Earth rotates around the sun, the four seasons, the Lunar phases, and the scale of our universe in relation to Galaxies and the Milky Way. We even try to travel to Mars! Also, we will have a chance to use Galileo’s telescope to search for distant objects. This offers a unique educational experience to challenge student’s abilities and their love of learning.

August 3-7 • 1:00 p.m. - 4:00 p.m. • $239

Voice Your Opinion

A dynamic social community where students can “voice your opinion” on today’s hottest issues. Through this course, students will have the opportunity to discuss topics that interest them. Topics include: issues in the media, literature, movies, sports, and a variety of personal interests. Students will participate in a variety of educational activities focusing on the development of their Language Art skills. Bring your opinions and voices as this workshop allows you and your peers to communicate all of your great ideas!

August 3-7 • 1:00 p.m. - 4:00 p.m. • $239

Cartooning Fundamentals and Web Design Combo

9:00 a.m. - 4:00 p.m. • $459

Cartooning Fundamentals and Art of the Sand Mandala Combo

9:00 a.m. - 4:00 p.m. • $459

TV Production and Web Design Combo

9:00 a.m. - 4:00 p.m. • $459

TV Production and Art of the Sand Mandala Combo

9:00 a.m. - 4:00 p.m. • $459

WP Physics for Middle School and Web Design Combo

9:00 a.m. - 4:00 p.m. • $459

WP Physics for Middle School and Astronomy Combo

9:00 a.m. - 4:00 p.m. • $459

TV Production and Astronomy Combo

9:00 a.m. - 4:00 p.m. • $459

NEW! Middle School Residential Option:

Students who have completed their 5th grade in June 2015 and are enrolled in a full-day program, have the option to stay on campus and experience residential life on the University campus. Check our website for updates at: www.wpunj.edu/cpe

New Programs

Call Your First Witness: Pre-Law: Anatomy of a Case

For anyone interested in pursuing a career in law, learn the necessary ingredients to a successful prosecution or defense. In addition, this workshop is designed to provide students with the foundational legal knowledge and critical thinking skills necessary for success in law.

July 2015 • $239

Start the Music: A Creative Musical Experience for Young Musicians

(Note: Students must be entering Grade 6 in September 2015) Start the Music is a one-week program that guides young musicians on a path to creative self-expression and savvy musical engagement. Students fine-tune their ability to listen to pitch through Eastern Indian singing. They expand their rhythmic skills by performing in a percussion ensemble. Students are instructed to write their own music during composition classes. Unlike most music camps that only focus on technique, Start the Music covers technique as a means to a creative end. Students compose, improvise, and promote their music through the web. Start the Music is a true 21st century musical experience. Students will have a concert performance the last day of the program.

July 2015 • $485

Explore the Backyard and its Organisms

Learn about the physical, chemical, and biological aspects of our local streams as you explore our backyard and travel to High Mountain to collect organisms to study and identify. This is a great opportunity for students who love to spend time outdoors and use their hands while challenging their brains. Experience first-hand how to prepare results in a scientific manner, as well as how to use a lab.

July 2015 • $239

Cancellation Policy

Notification must be received in writing at least five business days prior to the course to receive a full refund minus a $25 processing fee. If we receive less than five (5) business days’ notice, you will receive a credit towards another youth program during the current summer session less a $25 processing fee. NO refunds or credits will be given after the first day of the camp/program.

Please send all youth program cancellation notifications to: youthprograms@wpunj.edu

www.wpunj.edu/cpe 973.720.2354 email: youthprograms@wpunj.edu
Summer Life on Campus
June 29 – August 7 • 8:00 a.m. – 6:00 p.m.
Recreation, academic classes and weekly field trips are included.

A typical week includes:
- Enrichment workshops taught by experienced William Paterson University instructors.
- Indoor and outdoor activities using University facilities.
- Weekly indoor swimming.
- A weekly field trip with lunch and a T-Shirt included
- Before and after-care included.

This is an ideal program for working parents who prefer their child in a safe, well-managed environment where both academic and recreational activities are offered. The program is scheduled to run Monday to Friday, 8:00 a.m.-6:00 p.m., beginning June 29 and ending August 7. Camp T-shirt, weekly trip and class materials are included!

Lunch Options: Lunch is available for purchase on campus or bring your own lunch.

Discounts Available
- Early registration discount of 10% for registrations completed prior to June 1, 2015.
- Please visit the website for additional promotional discount at: www.wpunj.edu/cpe

Program Cost:
$ 288 for a Single week
$ 235 for the week of July 4th (June 29th - July 3rd)

Register for Multiple Weeks of Summer Life on Campus and Receive an Additional Discount!*

<table>
<thead>
<tr>
<th>Weeks</th>
<th>Multiple Weeks Discount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enrolled for 2 weeks</td>
<td>Save $ 25.00</td>
</tr>
<tr>
<td>Enrolled for 3 weeks</td>
<td>Save $ 50.00</td>
</tr>
<tr>
<td>Enrolled for 4 weeks</td>
<td>Save $ 75.00</td>
</tr>
<tr>
<td>Enrolled for 5 weeks</td>
<td>Save $100.00</td>
</tr>
<tr>
<td>Enrolled for 6 weeks</td>
<td>Save $125.00</td>
</tr>
</tbody>
</table>

Cancellation Policy
- Notification must be received in writing at least five business days prior to the course to receive a full refund minus a $25 processing fee.
- If we receive less than five business days notice, you will receive a credit towards another youth program during the current summer session less a $25 processing fee.
- NO refunds or credits will be given after the first day of the camp/program.

Please send all youth program cancellation notifications to: youthprograms@wpunj.edu

"Focusing on middle school students is taking William Paterson in the right direction! Steering kids down a path which inspires them and offers intriguing new concepts related to their interests and age levels, will foster positive ideals in a child."

—Cathy C.

"This is a great program! It was the perfect mix of learning and summer fun."

—Susan Z.
If you would like to visit the campus and meet the Pre-College Summer Youth Programs staff, please call Rosemarie at 973.720.3709.

Programs not sponsored by school districts.

Aim High Academy: Summer of Science at William Paterson University

For more information, email youthprograms@wpunj.edu, call (973) 720-2436, or visit our website: www.wpunj.edu/cpe.