

## RASPBERRY PI & COMPUTING

**COURSE DESCRIPTION:** The workshop will focus on three areas: Introduction to Python programming; Physical computing with the Pi via Python programs for device control; and Introduction to graphics programming via the use of Python Turtle graphics.

Each student will receive a USB memory stick containing copies of workshop activities and a software package that they can use on a home computer including the latest version of Python. A bound copy of all handouts and support materials will also be provided.

**Grades Entering:** 6-9

**Instructor:** Debra Warmuth [dwarmuth@cchsknights.org](mailto:dwarmuth@cchsknights.org)

**Dates:** June 25 - 29

**Time:** 9am - 3pm

**Fee:** \$125.00

**Enrollment Min:**

**Enrollment Max:** 10

**Location:** CCHS TEAL Lab

*No previous programming experience needed*

## **BLENDER : An animation, modeling and video compositing program**

**COURSE DESCRIPTION:** Blender is the free and open source 3D creation suite. It supports the entirety of the 3D world—modeling, rigging, animation, simulation, rendering, compositing, motion tracking, and video editing.

**Entering grades:** 8-12

**Instructor:** Debra Warmuth  
[dwarmuth@cchsknights.org](mailto:dwarmuth@cchsknights.org)

**Dates:** July 30 - Aug 3

**Time:** 9am - 3pm

**Fee:** \$125.00

**Enrollment Min:** 5

**Enrollment Max:** 10

**Location:** CCHS TEAL Lab

No previous 3D design experience needed

*For more detailed course descriptions  
please visit our website at*

*[www.cchsknights.org](http://www.cchsknights.org)*

Central Catholic High School  
75 14th Street  
Wheeling, WV 26003



## PREVIEW/REVIEW ALGEBRA 1

**COURSE DESCRIPTION:** This course will be a review of Algebra 1 material that is required to know before taking Geometry. This course will also be beneficial to students who are currently in Geometry, but would like to review concepts before taking Algebra 2.

**Entering Grade:** 7-12

**Instructor:** Francis cfrancis@cchsknights.org

**Dates:** June 11 - June 28 (Mon. - Thurs.)

**Time:** 10am - 11:50am

**Fee:** \$250

**Enrollment Min:** 5

**Enrollment Max:** 28

**Location:** CCHS Room 116

**Course Requirements:** Students are expected to bring to class, a graphing calculator (TI-84) and a notebook.

## COURSE TITLE: TEST PREP/SAT/ACT/ EVERYDAY PROBLEM SOLVING

**COURSE DESCRIPTION:** A variety of instructional methods will be implemented to meet each student's learning style. This course is designed to prepare students for the SAT/ACT test in mathematics by familiarizing each student with the organization and content of the test.

**Entering Grade:** 7-12

**Instructor:** Perdziola tperdziola@cchsknights.org

**Dates:** June 11 - June 28 (Mon. - Thurs.)

**Time:** 8am - 9:50am

**Fee:** \$250 per four-week session

**Enrollment Min:** 5

**Enrollment Max:** 28

**Location:** CCHS Room 102

**Course Requirement:** Students are expected to bring to class, a notebook and a graphing calculator (TI-84).

## COURSE TITLE: PREVIEW of TRIGONOMETRY

**COURSE DESCRIPTION:** This course is designed to help students make the transition from Algebra 2 to trig. This course covers mathematical topics in trigonometry.

**Entering Grade:** 7-12

**Instructor:** Perdziola tperdziola@cchsknights.org

**Dates:** June 11 - June 28 (Mon. - Thurs.)

**Time:** 10am -11:50am

**Fee:** \$250 per four-week session

**Enrollment Min:** 5

**Enrollment Max:** 28

**Location:** CCHS Room 102

## PREVIEW/REVIEW of ALGEBRA 2

**COURSE DESCRIPTION:** This course is designed to build on algebraic and geometric concepts. The content of this course are important for students' success on both the ACT and SAT exams.

**Entering Grade:** 7-12

**Instructor:** Perdziola tperdziola@cchsknights.org

**Dates:** June 11 - June 28 (Mon. - Thurs.)

**Time:** 12 noon - 1:50PM

**Fee:** \$250 per three-week session

**Enrollment Min:** 5

**Enrollment Max:** 28

**Location:** CCHS Room 102

**Course Requirements:** Students are expected to bring to class, a graphing calculator (TI-84) and a notebook.

## PREVIEW of GEOMETRY

**COURSE DESCRIPTION:** This course is designed to help students make the transition from Algebra 1 to Geometry.

**Entering Grade:** 7-12

**Instructor:** Perdziola tperdziola@cchsknights.org

**Dates:** June 11 - June 28 (Mon. - Thurs.)

**Time:** 2pm - 4pm

**Fee:** \$250 per four-week session

**Enrollment Min:** 5

**Enrollment Max:** 28

**Location:** CCHS Room 102

**Course Requirements:** Students are expected to bring to class, a graphing calculator (TI-84) and a notebook.

## PREVIEW/REVIEW PRE-ALGEBRA

**COURSE DESCRIPTION:** This course is designed to build on pre-algebraic concepts. This class will help those students prepare for pre-algebra or those who wish to brush up on their skills before taking algebra.

**Entering Grade:** 5 - 10

**Instructor:** Francis cfrancis@cchsknights.org

**Dates:** June 11 - June 28 (Mon. - Thurs.)

**Time:** 8am - 9am

**Fee:** \$250

**Enrollment Min:** 5

**Enrollment Max:** 28

**Location:** CCHS Room 116

**Course Requirements:** Students are expected to bring to class, a graphing calculator (TI-84) and a notebook

## SUMMER KNIGHTS REGISTRATION

We are excited to be offering summer programming for middle and high school students. You do not need to be a CCHS student to attend our workshops.

**How to Register :** Please submit this completed registration page to Mr. Perdziola by May 25

**How to Pay:** Make a check out to CCHS and submit with this completed page

**Select the Course from the list below**

### Mathematics

\_\_\_\_\_ Preview of Algebra 1

\_\_\_\_\_ ACT/SAT Test Prep

\_\_\_\_\_ Preview of Trig

\_\_\_\_\_ Preview/Review Algebra 2

\_\_\_\_\_ Preview/Review of Geometry

\_\_\_\_\_ Review of Pre-Algebra

### Digital Media and Computer Science

\_\_\_\_\_ Raspberry Pi Computing

\_\_\_\_\_ Animation with Blender

Student

Name: \_\_\_\_\_

Student Email:

\_\_\_\_\_

Parent / Guardian Name:

\_\_\_\_\_

Parent

Email: \_\_\_\_\_

Street

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_

Zip: \_\_\_\_\_

Most Recent Grade Completed : \_\_\_\_\_

Total Payment: \_\_\_\_\_

