

BUCKS COUNTY TECHNICAL HIGH SCHOOL
SUMMER EXPLORATORY PROGRAM
610 WISTAR ROAD
FAIRLESS HILLS, PA 19030
JULY 6 – JULY 23, 2020
SUMMER EXPLORATORY PROGRAM
215-949-1700 extension 2952 or 2348

PURPOSE: Provides an opportunity to explore various courses and self enhancement opportunities offered at the Bucks County Technical High School. A combination of three (3) courses must be selected to explore during the three-week summer session, one class per week. Students may also attend for one or two weeks instead, at a cost of \$125.00 per week.

WHO CAN ATTEND: students completing grades 5, 6, 7 and 8

WHEN IS THE PROGRAM: July 6 thru July 23, 2020

3 weeks – Monday through Thursday – 8 AM - noon

COST: \$295.00 (for 3 weeks) tuition fee (includes non-refundable \$100.00 registration fee). No refunds after classes begin. Tuition fee is due on or before June 19, 2020.

TRANSPORTATION: District bus transportation is available and provided **ONLY FROM THE HIGH SCHOOL** in the school district in which you reside – **NOT FROM INDIVIDUAL BUS STOPS!!!!** Bus information will be mailed to homes after registration is received.

NO TRANSPORTATION WILL BE PROVIDED FROM NESHAMINY OR BRISTOL BOROUGH SCHOOL DISTRICT.

HOW DO I REGISTER: Complete the attached registration form—be sure to circle four choices. (One choice will be used as an alternate in case of a scheduling conflict.) Submit registration form with total payment **OR \$100.00** (to reserve a space.) Walk-in, mail or call to register.

BALANCE: (\$295.00 total) is due on or before June 19th. An information packet will be sent prior to program start. Space is limited. Enroll early!

REFUNDS: Tuition & registration fees will be refunded only if the school has cause to cancel the courses for which you have registered. No refunds will be considered after June 19 **FOR ANY REASON.** Class size is limited.

SAFETY: STUDENTS MUST BE ABLE TO CONDUCT THEMSELVES IN A SAFE, MANNERLY FASHION UNDERSTANDING THE IMPORTANCE OF SAFETY DIRECTIONS.

It is the policy of the Bucks County Technical High School not to discriminate on the basis of race, age, color, religion, sex, handicap, disability or national origin. In it admissions, educational program, activities, or employment policies, as required by Title VI of the Civil Rights act of 1964, Title IX of the 1972 Educational Amendments, Section 504 of the Rehabilitation Act of 1973, and the American with Disabilities Act of 1990. For information regarding services, activities, and facilities that are accessible to and usable by handicapped persons and compliance with Titles VI, IX, Section 504, and ADA, please contact Mrs. Karen Moyer, H.R. Coordinator, Bucks County Technical High School, 610 Wistar Road, Fairless Hills, Pennsylvania 19030-4196, 215-949-1700.

QUESTIONS? Call 215-949-1700 ext. 2952/2348 /email
kschmidgall@bcths.com or kody@bcths.com

SUMMER EXPLORATORY PROGRAM - July 6-23, 2020

1. BAKING: Explore the world of baking in a hands on, fun class. Students will work in a professional baking lab, and will learn to make pizza, cookies, cakes and more!

Requires additional \$10.00 fee.

2. BODY CONDITIONING: Class includes use of Fitness Facility, Workout Circuits, Insanity, PX90, Tabata, and Stability Ball. Focuses on strength, muscular endurance, core strengthening and cardiovascular endurance. Class helps develop a strong and toned physique. Class promotes a high energy, high impact workout including a combination of aerobics & toning.

3. CHOCOLATEERING/CANDY MAKING: Students will learn ways of making candy and gain skills to make gifts and party items. Some items to be created are: strawberry tuxedos, wreaths, chocolate mice, peppermint patties, marshmallow pops, cookie truffles, barks, and filled candies.

4. COOKING AROUND THE WORLD: Explore the world of cooking. Join us for our journey around the world as we look into and cook the native foods from your favorite countries across the globe. **Requires additional \$10.00 fee.**

5. COSMETOLOGY – (GLAM CAMP): Course consists of hair, skin, nails that introduces knowledge of today's latest trends and techniques including hair extensions and hair ornamentation. Students will be taught soothing facials, proper skincare regiments, makeup application, special effects makeup, basic manicures/pedicures, nail art and nail designs.

6. CREATIVE GAMES: These are games that have been changed or modified to create new, challenging and fun games. Games include Alaskan Baseball, Crazy Kickball, Capture the Flag, Castle Ball, Hungry Hippos and more. Class will promote physical activity and creativity while participating in team games. Students will work together cooperatively to create their own games to play. Students will learn and play new creative games along with some of the more traditional games.

7. ELECTRICAL TECHNOLOGY: Explore various areas of electricity by means of electrical theory, electrical devices and circuit wiring.

8. FORENSIC SCIENCE: Class presents the philosophical, rational and practical framework needed to support a criminal case investigation. Outline the principles of forensic science and introduce the ways in which a forensic scientist must think. Introduces students to the application of scientific methods for examination of physical evidence in the criminal justice system with a forensic analysis of firearms, fingerprints, toxicology, DNA, hair fibers, blood spatter, bullet trajectory, physical anthropology and entomology. Students will work through interactive labs and discuss various crime scene scenarios with instructor and their classmates. Students will demonstrate knowledge of specific information that has been presented based on the observation and analysis of the numerous television shows such as CSI, Criminal Minds, Bones, and The Forensic Files. Study steps of criminals and crime scene analysis allowing students to understand why "the evidence never lies."

9. GARDENING – FROM THE GROUND UP: Course is designed to encourage discovery of basic science of **garden** design techniques and how to **grow** your own vegetables in your own back yard. "Gardening from the ground up" students will develop skills in soil sampling, site selection and preparation, seed germination, and

general maintenance of a **healthy, edible garden**. Companion planting, harvesting, pest and disease control are just some of the necessary skills learned. Cool season as well as summer crops will be grown and harvested in our 1600 square foot **vegetable garden**. Students learn how to take an **organic approach** to gardening ensuring a safe and responsible gardening experience. Students learn to maneuver around, under, & over obstacles.

10. HVAC – HEATING/VENTILATION/AIR CONDITIONING: Learn skills to become a technician. Explore principles of heat transfer, temperature control, and become familiar with the latest in equipment.

11. INTRODUCTION TO ENGINEERING: Introduction into the world of electronics and applied engineering. Learn and create using a hands-on approach. Labs include building model dc electric cars, electronic circuits, and experiment with various electronic components. Where will this lead? What careers are available? Explore the world of engineering.

12. PLUMBING PROGRAM: Perform hands on activities including faucet repair, fluid valve installation, pipe cutting, threading and soldering.

13. PROGRAMMING IS DOGGONE FUN: Learn computer programming as you take Karel the Dog through a series of challenges. Learn basic Java programming, solve logic puzzles, and explore what makes your favorite apps work.

14. RECREATIONAL POWER SPORTS: Students will learn how to service and tune up a lawnmower that will be provided for them. Emphasis is placed on the mechanical cooling and lubrication systems of the engines.

15. SCIENCE INVENTORS CHALLENGE: Students master speed, distance, and accuracy as they use specialized kits to design, build & compete in various motion-related challenges. How far? How fast? How fun?

16. SKETCHING/DRAWING TECHNIQUES: Students study and practice how to “see” their subject with an artist’s eye. Learn how to use artist’s tools correctly. Course entails using a variety of mediums such as, drawing pencils ranging from 4H to 8B, charcoal & colored pencils. Students experiment with various techniques used in Still-life, One-point and two-point perspectives and landscape.

17. STEM INTO DISCOVERY: “Every day is a new discovery! Develop your curiosity for science, math, and engineering through a series of experiments. Students will apply their problem-solving skills to discover how everyday activities involve math and science.”

18. STUDY SKILLS: Learn and become comfortable with test-taking and reading strategies to aid with comprehension, such as previewing, making connections, questioning and summarizing. Students will also learn how to write and respond to open-ended questions in short essay form following a reading passage.

19. SUMMER SPORTS: Students will participate in a different sport each day. These include basketball, baseball/softball, flag football, ping pong and dodgeball.

20. WELDING TECHNOLOGY: Students who choose Welding Technology will have fun learning basic welding safety and proper weld techniques for Gas Metal Arc Welding (MIG) and Fabrication. There will be theory and practical lessons on MIG welding of mild steel pieces. Blue jeans and boots are required

STUDENT NAME: _____

ADDRESS: _____

TELEPHONE: _____ Grade: 5 / 6 / 7 / 8

DISTRICT: _____ SCHOOL: _____

COURSE SELECTIONS: Pick 4- 1 choice will be used as an alternate

1. Baking + (\$10.00 extra fee for supplies)
2. Body Conditioning
3. Chocolateering/Candy Making
4. Cooking Around the World
5. Cosmetology – Glam Camp
6. Creative Games
7. Electrical – an Introduction
8. Forensic Science
9. Gardening – From the Ground Up
10. HVAC (Heating/Ventilation/Air Conditioning)
11. Introduction to Engineering
12. Plumbing – an Introduction
13. Programming is Doggone Fun
14. Recreational Power Sports
15. Science Inventors Challenge
16. Sketching/Drawing Techniques
17. STEM Into Discovery
18. Study Skills
19. Summer Sports
20. Welding Technology

COST: REGIS. FEE - _____ \$ 100.00 (non-refundable)

COURSE FEE: _____ \$ 195.00

TOTAL: _____ \$295.00

VISA / MASTERCARD Exp Date: _____ V# _____
Card Number: _____

Attach \$295.00 check (payment in full) or \$100.00 non-refundable reservation fee to this application. (You may also make your payment by credit card – VISA/MASTERCARD)
Total is due by June 19, 2020. No refunds for any reason after the first day of class.

MAKE CHECKS PAYABLE TO BCTHS – MAIL CHECKS TO:
Bucks County Technical High School - Summer Exploratory
610 Wistar Road, Fairless Hills, PA 19030