

Joseph Warwick - *Director and Instructor*

Joe has been a physics teacher at Council Rock South for over 18 years. He served as the Head Varsity Coach for Boys Cross-Country and Track & Field. He is the recipient of the 2009 Siemens AP Science Teacher of the Year Award in PA. Joe has been involved for more than 10 years with the National Board for Professional Teaching Standards. He is passionate about sharing science with students and has over 20 years of model airplane experience.

Fred Bauer – *Instructor*

Fred has been teaching Industrial Technology at Council Rock at both the junior high and high school levels. He is the founder and director of the technology club at the high school.

Ed Warwick – *Instructor*

Ed has his private pilot's license and enjoys flying his own airplane. A mechanical engineer, he is published and has conducted seminars and training sessions throughout the world. Ed is recently retired from 40 years in industry.

Frances Warwick – *Instructor*

Frances is a registered nurse, recently retired from patient care and hospital management, including Oncology Program Director. She enjoys flying with her husband

Jerry Fetter – *Instructor*

Jerry has been teaching science for over 13 years at Council Rock. He has worked with NASA for the "Teacher In Space" program. He is one of the fifty finalists.



PHYSICS AND FLIGHT



1-Week Science Day Camp

July 5 – July 9 or

July 12 – July 16, 2010

Ages 11 – 15 years (9 am – 4 pm)

Council Rock High School South

Holland, PA

An opportunity for students to explore science outside of the traditional classroom.

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Camp: [Physics and Flight](#)

Type: [Academic Day Camp](#)
[Boys & Girls](#) (ages 11–15)

Dates: [July 5 – 9](#) or [July 12 – 16](#)

Location: [Council Rock High School South, Holland, PA](#)



Students will explore the theory and practice of flight learning fundamental concepts in physics. Each day of camp will include a variety of activities including **building and flying** remote control (RC) model airplanes, physics lectures (including guest speakers), problem solving, computer based physics labs, computer flight simulators, and more.

The camp will take place on the modern campus of Council Rock High School South.

Physics and Flight is designed to challenge students in a safe and comfortable setting using a hands-on approach to learning. The remote control model airplane is an outstanding tool to encourage and stimulate student's interest in mathematics and science. Small groups will work as a team to complete the construction of a 5-foot, gas-powered, radio-controlled model airplane.



Students will explore physics concepts discussed in lecture and collect data using state of the art computerized lab instruments. They will then analyze data with graphs using Microsoft Excel.

Students will each receive several hours training on computer flight simulators and remote control planes.

Activities

- Build and learn to fly remote controlled model airplanes
- Participate in physics lecture and computer based physics labs with guest speakers from the aviation industry
- Use Microsoft Excel to analyze graphical data
- Operate and train on RC computer flight simulators
- Study navigation in class and on the flight simulator
- Participate in team-building activities

Dates and Fees

Camp Cost: \$360. (25 campers max/session) \$125 deposit. Balance of \$235 due by June 26, 2010. Please call 215-262-1605 or email jwarwick@crsd.org for more information.

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