

Life Sciences

Biology

Mrs. Jennifer Atkiss

AP Biology, Honors/Academic/Practical Biology, Forensic Science, Anatomy and Physiology, Oceanography, Environmental Science

B.A. Biological Sciences Education – University of Delaware

M.Ed. Instructional Systems – Pennsylvania State University

- Class Advisor (2009 – 2014, 2024 – 2027)
- Assistant Coach Girls Soccer (2007 - 2014)
- **Biology Club Advisor (2022 – 2024)**

Mr. Michael Gleicher

AP Biology, AP Chemistry, Academic/Honors Biology, Academic/Honors Chemistry, Astronomy

B.A. Animal Behavior - Franklin & Marshall College

M.S.Ed. Secondary Science Education - University of Pennsylvania

- Co-advisor, ChemClub (2010-present)
- Publications:
Ardia, D. R., Broughton, D. R., & Gleicher, M. J. (2010). Short-term exposure to testosterone propionate leads to rapid bill color and dominance changes in zebra finches. *Hormones and behavior*, 58(3), 526-532.

Ms. Beth Mattern

Honors Biology, Academic Biology, Practical Biology, Forensics, ELD General Science

B.S. Biobehavioral Health - Pennsylvania State University

M.Ed. Biology/General Science Education - Arcadia University

- CB South Girls Basketball Head Coach (2008- Present)
- Unified Track Head Coach (2020- Present)
- Athletes Helping Athletes (AHA) Club Moderator (2015-present)
- Previous Teaching Experience:
 - 9th Grade Science at Unami Middle School (2004-2010)
- Previous Industrial Experience:
 - Wyeth Pharmaceuticals (1999-2003)

Mr. Matthew McLaughlin

Honors Biology, Academic Biology, Forensics

B.S. Pre-Physician Assistant – Lock Haven University

M.S.Ed. Secondary Science Education – Gwynedd Mercy University

- Titan Thespians Director (2022-2024)

Mrs. Aileen Orchinik

Honors Biology, Academic Biology, Practical Biology

B.S. Secondary Education: Biology - Pennsylvania State University

M.S. Ed. Secondary Science Education – Cabrini College

- Compost/Gardening Club Advisor (2023 - present)
- STEM Club Advisor (2023 - present)

Mr. Robert Zimmerman

AP Biology, Honors Biology, Academic Biology, Oceanography

B.S. Biology Secondary Ed. and Marine Science - East Stroudsburg University -
M.S. Marine Science - Georgian Court University

- Previous Teaching Experience:
Southern Regional High School (1991-2000)
- Previous Experience:
University of Maryland Marine Biotechnology Center Baltimore
Graduate Work
Organic Chemistry lab Petrarch Huls Bristol PA

Ms. Julia Kerrigan

Academic Biology, Honors Biology, and Astronomy

B.S. Secondary Education: Biology – Millersville University

- Previous Teaching Experience:
Conestoga Valley Middle School (2021-2022)
Tohickon Middle School (2022-2023)

Anatomy and Physiology

Mrs. Cheryl Choe

Anatomy and Physiology, Honors Biology, Academic Biology, Practical Biology

B.S. from University of South Carolina in Biology, minor in Sociology
M.S. from Lehigh University in Science Education

- Advisor, Korea Club (2023-present)
- Assistant Swimming and Diving Coach (2007-2010)
- Previous Teaching Experience:
Gateway Regional High School, N.J. (2004-2007)
- Previous work experience:
Biopurification specialist at EMD Industries (2000-2002)

Mrs. Holly Graham

Anatomy and Physiology, Honors Biology, Academic Biology

B.A. Biology, Secondary Education - Holy Family University

M.S. Bio/Chem/Physics - University of Pennsylvania

- CBSD Classroom for the Future Technology Coach (2006-2010)
- CBSD Dean of the 21st Century Lab School (2006-2010)
- Previous Teaching Experience:
Mathematics, Science and Technology Community Charter School and
Maternity B.V.M. (1994-2004)

Earth and Space Science

Mr. Ryan Walsh

AP Environmental, Environmental Sustainability, Astronomy, Oceanography, Forensics

B.S. Accounting, Earth and Space Science Education Certification - Mount Saint Mary's University

M.S. Physical Science - West Chester University

- Environmental Club Advisor (2015 - present)
- Coach Girls Cross Country (2004- 2016)
- Coach Girls Indoor and Outdoor Track (2005-2013)

Physical Sciences

Chemistry

Mr. Ik-Joon Choi

Honors Chemistry, Academic Chemistry

B.S. Biochemistry - Lehigh University

M.Ed Secondary Education - Lehigh University

- Co-Advisor, ChemClub (2011-Present)

Mr. Jason Gable

Honors Chemistry, Academic Chemistry, Conceptual Chemistry, Forensics

B.S. Education: Chemistry & General Science – Lock Haven University

M.Ed. Secondary Education – Lock Haven University

- Head Coach for Boys Winter & Spring Track & Field (2005 - present)
- Assistant Coach for Girls Winter & Spring Track & Field (2005 – present)
- **Assistant Coach for Boys Cross Country (2005 – present)**

Mrs. Kimberly McLaughlin

Honor Physics, Academic Physics, Honors Chemistry, Academic Chemistry

B.S. Chemistry - Villanova University

M.A. Secondary Education - Villanova University

- Head Cheerleading Coach (2008-2015)

Mr. Brian Testa

Honors Chemistry, Academic Chemistry, Conceptual Chemistry

B.S. Civil and Environmental Engineering - Lehigh University

M.Ed. Secondary Education - Lehigh University

- Science National Honor Society Advisor (2018 – present)

Physics

Mr. Ian Smith

A.P. Physics, Honors Physics, Academic Physics

B.A. Physics - Virginia Tech

M.Ed. Science Education - Arcadia University

- Environmental Club Advisor (2006 - present)

Mr. Vello Vilbas

Honors Physics, Academic Physics, Astronomy

B.S. Physics and Mathematics - Kutztown University

M.Ed. Principalship and Supervision - Cabrini College

- **Science Department Coordinator**
- **Previous Teaching Experience:**
 - **Frederick High School, Frederick, MD (2003-2006)**
 - **Classes taught- Intro to Chem and Physics, Academic and Honors Physics, AP Physics**
 - **Whitehall-Coplay High School, Whitehall, PA**
 - **Classes taught- Honors physics, geometry, Algebra I and Algebra II**