**Life Sciences**

**Biology**

 **Mrs. Jennifer Atkiss**

*AP Biology, Honors Biology, Academic Biology, Conceptual Biology, Forensic Science, Anatomy and Physiology, Environmental Science*

B.A. Biological Sciences Education, minor in Nutrition
M.Ed. Instructional Systems (Instructional Design and Technology Integration)

* Class Advisor (2009 - 2014)
* Assistant Coach Girls Soccer (2007 - 2014)

**Mr. Michael Gleicher**

*AP Biology, AP Chemistry, Academic/Honors Biology, Academic/Honors Chemistry*

B.A. Animal Behavior - Franklin & Marshall College
M.S.Ed. Secondary Science Education - University of Pennsylvania

* Advisor, Central Bucks H.S. South ACS 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*

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)
* Fall Sports Game Manager (2010-Present)
* Previous Teaching Experience:

 9th Grade Science at Unami Middle School (2004-2010)

* Previous Industrial Experience:

 Wyeth Pharmaceuticals (1999-2003)

**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

 • Previous Teaching Experience:

 Unami and Holicong Middle School (2013-2014)

 Central Bucks East and West High School (2012-2013)

 Pennsbury High School (2009-2011)

**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

Anatomy and Physiology

**Mrs. Cheryl Choe**

*Anatomy and Physiology, Honors Biology, Academic Biology, Conceptual Biology*

B.S. from University of South Carolina in Biology

M.S. from Lehigh University in Science Education

* 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

**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

* Advisor, Health Occupations Students of America (2014-present)
* Advisor, MiniTHON (2015 – present)
* Advisor, Black and Blue Dance Club (2018-present)
* Advisor, Origami Club (2019 – present)
* Classroom for the Future Technology Coach (2006-2010)
* 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 Geology, Astronomy, Environmental Science, Oceanography, Forensics*

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

M.S. Physical Science - West Chester University

* Coach Girls Cross Country (2004- Present)
* Coach Girls Indoor and Outdoor Track (2005-2009)

**Physical Sciences**

**Chemistry**

**Mr. Ik-Joon Choi**

*Honors Chemistry, Academic Chemistry, Conceptual Chemistry*

B.S. Biochemistry - Lehigh University

M.Ed Secondary Education - Lehigh University

* Co-Advisor, American Chemical Society Club (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)**

**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 Co-Advisor (2018 – present)

**Physics**

**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. 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
* SchoolWires Teacher Coach
* 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