



Science

D E P A R T M E N T



Faculty

Amy O'Loughlin '86*, Chair

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MSE University of Dayton
15 years of experience
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Jessie Anderson

BS University of Dayton
MA Education, University of Dayton
8 years of experience

Amanda Duritsch

BA Wellesley College
MS Anatomy, Wright State University
5 years of experience

Matthew Fuhs

BS Secondary Education &
Chemistry, Indiana University
8 years of experience

Maura Lemon

BS University of Dayton
10 years of experience

Cathryn Maga

BA Biology, Thomas More College
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8 years of experience

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BS University of Glasgow
MAE Aeronautical, University of
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5 years of experience

**Project Lead the Way*

*Master Teacher; instructs
PLTW educators*

cjeagles.org

Department Highlights

- ✓ The science department works in conjunction with CJ STEM and the curriculum supported by *Project Lead the Way*.
- ✓ CJ is one of the few Catholic high schools in the state of Ohio to offer the *Project Lead the Way* curriculum, offering students the opportunity to explore engineering and biomedical science curriculum prior to college.
- ✓ The science program offers dissection project opportunities — frogs, rats, fish, fetal pigs, sheep hearts, sheep brains, cow eyes, and cats.
- ✓ Members of the science department have attended the National Science Teachers Association (NSTA) National Conference for the past five years to ensure that our curriculum and teaching methods include the most current science research and instructional resources.
- ✓ The department co-teaches CJ STEM camp for grade school students offered through CJ Eagles Summer Camp program.

Courses

Physical Science:

College Preparatory Physical Science
Physical Science

Biology:

AP Biology♦*
Honors Biology 1
College Preparatory Biology 1
Biology 1
General Biology

Chemistry:

AP Chemistry♦*
College Preparatory Chemistry A & B

Physics:

Honors Physics
College Preparatory Physics
General Physics

Electives:

College Preparatory Environmental
Science
College Preparatory Human
Physiology & Anatomy
College Preparatory Earth &
Space Science

♦ AP Course—possible college credit

* College Credit Plus—possible college credit

Project Lead The Way:

Biomedical Sciences:

Principles of Biomedical Science
Human Body Systems
Medical Interventions
Biomedical Innovation

*The PLTW courses are science electives.
To graduate with the required three science
credits, biology and chemistry are still required,
but a PLTW course counts as the third credit.*

Catholic Faith . Excellent Academics . Enriched Community

CJ's Project Lead the Way biomedical science is funded in part by Premier Health Partners