QualityCore® ACT®

STUDENT REPORT

Student Name:	Francesca Covella	**School:**	WARREN HIGH SCHOOL	**Course:**	Biology
QualityCore ID:	102084454	**District:**	WARREN LOCAL SCHOOL DISTRICT	**Group Name:**	Werry Biology Per 2 2015
Teacher:	Werry, Ryan	**State:**	OHIO DEPARTMENT OF EDUCATION	**Test Date:**	2015-05-21

Your QualityCore Score:

159

Scale Score Range
125-175

Student scoring at or below your score:

	Number	Percent (1% 20 40 60 80 100)
In Your School	838	92%
In Your District	838	92%
In Your State	61180	89%

Your College Readiness

Your Estimated Score Range is **21-25**

PLAN Science

Your Estimated PLAN Science score puts you **At or Above** the College Readiness Benchmark of **20**

To learn more about the ACT College Readiness benchmark navigate to http://www.act.org/standard.

How to Improve your College Readiness

- Compare or combine data from two or more complex data presentations
- Analyze given information when presented with new, complex information
- Predict how modifying the design or methods of an experiment will affect results
- Identify an additional trial or experiment that could be performed to enhance or evaluate experimental results
- Select a complex hypothesis, prediction, or conclusion that is supported by two or more data presentations or models
- Determine whether given information supports or contradicts a complex hypothesis or conclusion, and why

Biology Course Objectives and Subscore

Subscores – Points Received / Possible Points

Animal/Plant Systems and Ecology	**13 of 19**
Biochemistry; Cell	**8 of 16**
Biology Process	**10 of 12**
Genetics; Evolution	**16 of 23**

Animal/Plant Systems and Ecology

- Describe types of animal & plant cells & tissues; describe photosynthesis
- Identify taxonomic levels of organism classification; explain binomial nomenclature
- Define ecological levels of organization; describe influence of biotic & abiotic factors on biome type
- Describe energy flow through ecosystems using food webs, food chains & pyramids
- Describe population growth patterns & carrying capacity
- Explain ecological succession

Biochemistry; Cell

- Describe atomic structure; bonding between atoms, organic & inorganic compounds, enzymes & ATP
- Explain properties of water & describe pH of a solution
- Identify cell types & describe functions of cellular organelles
- Describe movement of substances into & out of cells
- Describe cellular respiration
- Describe cell division & mitosis

Biology Process

- Demonstrate knowledge of inquiry techniques
- Use mathematics & measurement; use graphical & mathematical models
- Identify criteria necessary to characterize life; define biological organization levels

Genetics; Evolution

- Describe basic structure & function of DNA, RNA & proteins
- Describe meiosis
- Use correct terminology when working with genetic crosses
- Define evolution & theory of natural selection
- Identify requirements to be a species
- Explain shared evolutionary relationships between organisms