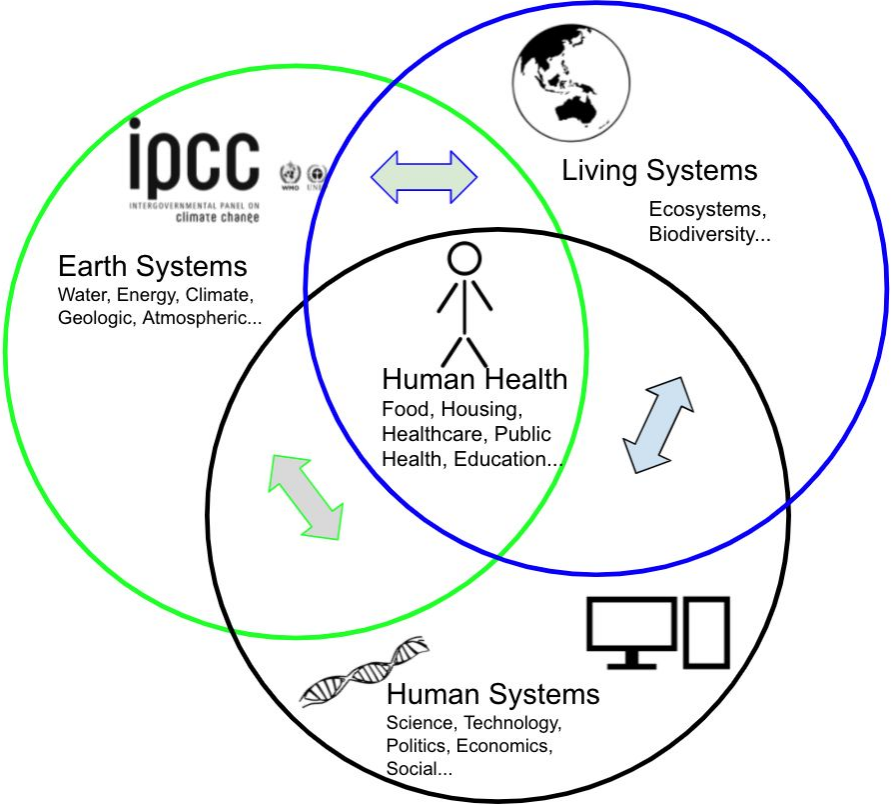


Video of Ms. McHugh explaining these
slides

Biotechnology is the study of life on Earth and beyond, using 21st century science, technology, and engineering tools.



Link to these slides:
<https://bit.ly/3opg0vt>

Why Biotechnology?

You will have the opportunity to earn 1.0 Science Credits as an 11th grader

It is also an opportunity to earn Elective Credit for 12th graders

We will address complex questions and engineering problems using cutting edge tools in **teams**.

- What is an infection? How are treatments and vaccines designed to treat infections? What other strategies are essential to addressing an emerging infection?
- How do genetic conditions impact humans? How are new tools allowing us to treat genetic conditions in novel ways?
- How can we address climate change and biodiversity loss using biotechnology?
- How do the tools of science interact with social and political factors?

Anne McHugh (amchugh1@pps.net) will be the instructor.

Feel free to email with any questions about the course.



Anne McHugh--
Biotechnology Teacher
M.S.: Evolutionary Biology
of Spiders

M.A.T.: Secondary
Science Education

B.A. Biology

Current or past students:

- What did you enjoy about biotechnology?
- Why should a student consider forecasting for the course?
- What is one story or class that sticks out to you?

Welcome to Biotechnology!

Thank you for considering forecasting for this class.

Ephraim Kornegay and Ms. Fanning will be your in person hosts today. Ms. McHugh (the teacher) is joining us via zoom.