



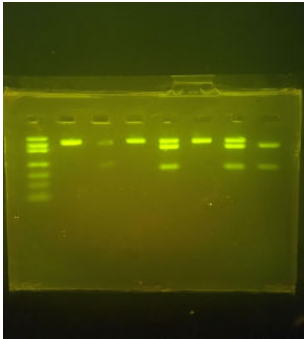
Mr. Copley



copleys@corralesis.org



Principles of Biomedical Science



Materials

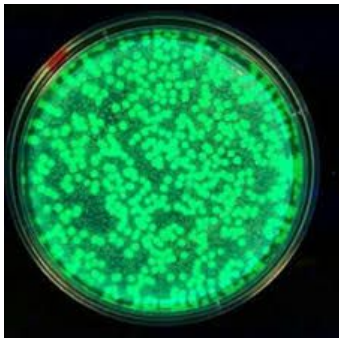
- 1 1/2" 3-Ring Binder with a clear cover.

Office Hours

2:45 - 3:30 Tuesday and Thursday

Your Teacher

- ★ 20th year of teaching
- ★ Passionate about Nebraska Cornhuskers and High school football and wrestling.
- ★ Live in the East Mountains hometown of Cedar Crest
- ★ Attended NU and UNM
- ★ Army National Guard Veteran Infantry

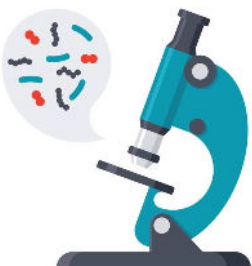
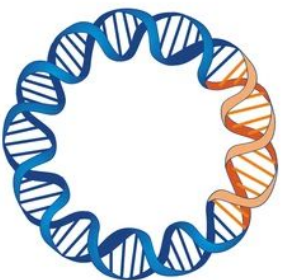


Parents and students please sign up for Remind by texting or email @ahh2f8 to 81010.



Topics of Study

- Nature of Science
- Heredity & Genetic Inheritance
- Emergency Medicine
- Cellular Biology
- Molecular Biology
- Molecular Genetics
- Genetic Modification of Bacteria
- Experimental design
- Research Techniques



Major Lab Skills

- Lab Safety
- Microscopy
- Preparation of solutions
- DNA extraction & purification
- DNA amplification using PCR
- Restriction digests of DNA
- Gel electrophoresis & RFLP analysis
- Culturing microbes using aseptic technique
- Genetic engineering of bacteria