Lesson 8 - Genetic changes and disorders

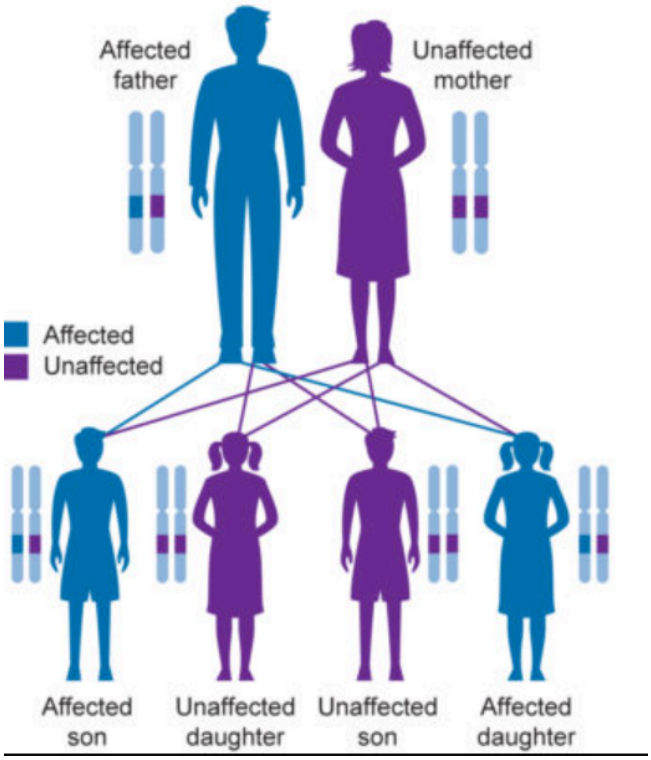
Purpose - Ask questions to clarify relationships about the role of DNA and chromosomes in coding the instructions for characteristic traits passed from parents to offspring.

Warm up - Write and discuss - What is “nature vs. nurture?”



1. Watch - What are genetic disorders? (6 min)
    a. What is a genetic disorder?
    b. What are the pros and cons of embryo screening?

2. Research Paper about Genetic Disorders - Biology Common Assessment
    a. Post to Google Classroom.



3. Extra Time - Finish any missing work

4. As a class if done - CRISPR updates

   5 Ways CRISPR Is About to Change Everything

- What is CRISPR? How does it work, generally speaking?
- How might a person benefit from or use CRISPR?

<u>Pathway Applications</u>

Health Sci - Genetic Testing - for example with pregnant moms or looking for genetically inherited diseases.

Engineering - Technique used - How is electricity used in this technique? How is electricity used in other processes, like with electromagnets. Engineers understand properties of materials in order to use them for a task.

Ag - Selective breeding based on DNA

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