**BYOD LESSON: Ethics in Genetics Name:**

If we can do something in science, should it be done? Please weigh all sides of the issue as you visit each station and record you thoughts, opinions, and reflections.

**Station One: X-Men Science:**

After you watch the video, please state your opinion about creating real life X Men. How do you feel about this? Explain your thoughts below.

**Station Two: DNA Database**

1. Why was the DNA Database started in the UK?
2. How is it being used today?
3. Why do people feel that human rights are being violated?
4. How is Scotland’s DNA database less controversial?
5. Should DNA test results be shared with employers?
6. Should DNA test results be shared with insurance companies?
7. Would you submit your DNA to a database? Why or why not?

**Station Three: Made to Order Lungs**

1. Should scientists use genetic engineering to create clones of endangered species?
2. Should we use cloning to create organs or gene therapies for human beings?
3. Should we use genetic engineering to create human clones?
4. Should we use genetic engineering to design a baby with specific traits?

**Station Four: Genetically Modified Foods**

1. Name two advantages of using genetic engineering to create modified crops.
2. Have you eaten any products which you know are genetically modified? If so, what was the product?
3. How do you feel about eating genetically modified foods? Would you willingly eat these items? Why or why not?

**Station Five: The Super Cow**

1. Would you willingly eat the meat of a Super Cow? Explain.
2. Do you think it is okay to use selective breeding to create animals that are healthier, better tasting or more attractive? Explain you answers.

**Stations Six: It all Started with a Sheep Named Dolly (Log In to Discovery Ed: wcp#, then #)**

Illustrate and label the steps that occur during cloning.