Group Project Roles

**Manager:** The manager’s job is to manage the group. A good manager makes sure that everything is running smoothly and on time. Your job is to make sure everyone is working on their assigned task and to assist anyone who may need help. A good manager is actively engaged with his group members and strives to provide them with what they need to get the job done. This may mean taking the role of researcher or assisting the slide master. Whatever needs to be done to get the project done well and on time. The manager should check for quality by comparing the work of his team with the rubric he has been given.

**Researcher:** The researcher’s job is to find good resources that his teammates can use for the presentation. You will use the information you find during your research to answer the questions for each slide. Since most of your research will be done using the internet, you will need to keep track of which websites you have used as a resource. If you are using information from a certain resource on your slide, make sure to cite the website in your works cited. Use [www.easybib.com](http://www.easybib.com) or [www.citationmachine.net](http://www.citationmachine.net) to easily cite your sources.

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**Presenter:** You will be presenting your Prezi as a group, so everyone is required to present at least one slide. Here is a good way to break up your slide presentation>

Slide 1: Title Slide – Manager

**Do this:**

* **Read and discuss the roles.**
* **As a group, assign each member a role.**
* **Tell Ms. Roderick which the roles your group members have decided on.**

Slide 2: (Researcher 1)

Slide 3: (Researcher 2)

Slide 4: (Researcher 3)

Slide 5: (Slide Master 4)

Slide 6: (Manager)

Slide 7: (Researcher)

**Genetic Project Group 1:**

**Topic:** Cloning

**Task:** Create a Prezi presentation on Cloning.

**Presentation time:** 10 minutes (includes time to answer questions)

You will have one class period to put together a Prezi with the following information:

**Title Slide: Cloning**

Slide 1: What is cloning?  
 On this slide you should list a definition of what cloning is.   
 **Slide 2: History of Cloning**

Give a brief history of Cloning:  
 When was the first animal cloned? What kind of animal was it?  
 What other animals have been cloned?  
 Can normal people like you and me purchase a clone?  
 **Slide 3: How does cloning work?** Show the process of cloning.   
 (If you find a good informational video, you may show it for this slide)

**Slide 4: Cloning of extinct animals?** Give examples of extinct animals that could be cloned and why we would want to clone them.

**Slide 5: Human cloning?** Is human cloning possible?  
 What are the laws/ethics on human cloning around the world?

**Slide 6: Review slide**

Create 5 questions that your classmates should be able to answer from your presentation.  
1 question for each slide.

**Slide 7: Works Cited Page** You must use MLA formatting for your works cited page.

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| **Slide Design** | Hard to read.  Unorganized.  No pictures.  Missing slides. | Hard to read. Slightly organized.  A few pictures, but not really related to topic  All slides are present. | Readable.  Organized  Relevant pictures.  All slides are present. | Easy to read  Organized  Relevant and interesting pictures.  All slides are present. | Easy to read.  Organized.  Relevant and interesting pictures.  Other multimedia such as sound or video.  Power Point animations that add to engagement.  All slides are present. |
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Group Project Roles

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**Do this:**

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Slide 2: (Researcher 1)

Slide 3: (Researcher 2)

Slide 4: (Researcher 3)

Slide 5: (Slide Master 4)

Slide 6: (Manager)

Slide 7: (Researcher)

**Genetic Project Group 2:**

**Topic:** Genetically Modified Organisms (GMOs)

**Task:** Create a Prezi presentation on Genetically Modified Organisms

**Presentation time:** 10 minutes (includes time to answer questions)

*You will have one class period to put together a Prezi with the following information:*

**Title Slide: Genetically Modified Organisms**

**Slide 1: What is a genetically modified organism?**  On this slide you should list a definition of what cloning is.

**Slide 2: History of Genetically Modified organisms**  Give a brief history of Cloning. When did we start genetically modifying organisms?  
 **Slide 3: How have we genetically modified organisms in the past?**  
 Describe how we have been genetically modifying organisms for thousands of years?  
 (If you find a good informational video, you may show it for this slide)

**Slide 4: How are we genetically modifying organisms now?** What processes do we use to genetically modify organisms now?

**Slide 5: Why are humans concerned about genetically modified organisms?** List the arguments for and against GMOs

**Slide 6: Review slide** Create 5 questions that your classmates should be able to answer from your presentation.  
 1 question for each slide.

**Slide 7: Works Cited Page** You must use MLA formatting for your works cited page.

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Group Project Roles

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Slide 2: (Researcher 1)

Slide 3: (Researcher 2)

Slide 4: (Researcher 3)

Slide 5: (Slide Master 4)

Slide 6: (Manager)

Slide 7: (Researcher)

**Genetic Project Group 3:**

**Topic:** Gene Editing

**Task:** Create a Prezi presentation on Gene Editing

**Presentation time:** 10 minutes (includes time to answer questions)

You will have one class period to put together a Prezi with the following information:

**Title Slide: Genetically Modified Organisms**

**Slide 1: What is gene editing?** On this slide you should list a definition of gene editing is.

**Slide 2: What is the history of gene editing?**  Give a brief history of gene editing:  
 When did we start genetically modifying organisms?

**Slide 3: How do we edit genes?** What techniques and process are used to edit genes?  
 (If you find a good informational video, you may show it for this slide)

**Slide 4: What is CRISPR and why is it such a big deal?** What processes do we use to genetically modify organisms now?

**Slide 5: What is your opinion group’s opinion on gene editing?** Present the majority opinion. Be sure to include the reasons why this opinion was chosen.  
 Present the dissenting side. Be sure to include the objections of those who dissented.

**Slide 6: Review slide** Create 5 questions that your classmates should be able to answer from your presentation.  
 1 question for each slide.

**Slide 7: Works Cited Page** You must use MLA formatting for your works cited page.

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Slide 2: (Researcher 1)

Slide 3: (Researcher 2)

Slide 4: (Researcher 3)

Slide 5: (Slide Master 4)

Slide 6: (Manager)

Slide 7: (Researcher)

**Genetic Project Group 4:**

**Topic:** Gene Therapy

**Task:** Create a Prezi presentation on Gene Therapy

**Presentation time:** 10 minutes (includes time to answer questions)

You will have one class period to put together a Prezi with the following information:

**Title Slide: Gene Therapy**

**Slide 1: What is Gene Therapy?** On this slide you should list a definition of gene therapy is.   
  
 **Slide 2: What is the history of gene therapy?**  Give a brief history of gene therapy:  
 When did we start providing gene therapy?

**Slide 3: How does gene therapy work?** What techniques and process are used to provide gene therapy?  
 (If you find a good informational video, you may show it for this slide)

**Slide 4: How successful is gene therapy in reducing diseases?**

**Slide 5: What are some challenges that must be addressed in Gene therapy?** What are some challenges that are preventing gene therapy from being used more?

**Slide 6: Review slide** Create 5 questions that your classmates should be able to answer from your presentation.  
 1 question for each slide.

**Slide 7: Works Cited Page** You must use MLA formatting for your works cited page.

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Slide 2: (Researcher 1)

Slide 3: (Researcher 2)

Slide 4: (Researcher 3)

Slide 5: (Slide Master 4)

Slide 6: (Manager)

Slide 7: (Researcher)

**Genetic Project Group 5:**

**Topic:** Gene Patents

**Task:** Create a Prezi presentation on Gene Patents

**Presentation time:** 10 minutes (includes time to answer questions)

You will have one class period to put together a Prezi with the following information:

**Title Slide: Gene Patents**

**Slide 1: What is a gene patent?** On this slide you should list a definition of gene therapy is.   
  
 **Slide 2: How many genes have been patented?**  Give a brief history of gene therapy:  
 When did we start providing gene therapy?

**Slide 3: What did the Supreme Court say about patenting human genes?** What was the ruling? When did the ruling occur?

**Slide 4: What did the Supreme Court say about Monsanto’s patents on soybeans?** What was the ruling? When did the ruling occur? Who is Monsanto?

**Slide 5: What is your group’s opinion on gene patents?** Present the majority opinion. Be sure to include the reasons why this opinion was chosen.  
 Present the dissenting side. Be sure to include the objections of those who dissented.

**Slide 6: Review slide** Create 5 questions that your classmates should be able to answer from your presentation.  
 1 question for each slide.

**Slide 7: Works Cited Page** You must use MLA formatting for your works cited page.

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**Presenter:** You will be presenting your Prezi as a group, so everyone is required to present at least one slide. Here is a good way to break up your slide presentation>

Slide 1: Title Slide – Manager

**Do this:**

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Slide 2: (Researcher 1)

Slide 3: (Researcher 2)

Slide 4: (Researcher 3)

Slide 5: (Slide Master 4)

Slide 6: (Manager)

Slide 7: (Researcher)

**Genetic Project Group 6:**

**Topic:** Genetic Diseases

**Task:** Create a Prezi presentation on Genetic Diseases

**Presentation time:** 10 minutes (includes time to answer questions)

You will have one class period to put together a Prezi with the following information:

**Title Slide: Genetic Diseases**  **Slide 1: What is a Genetic Disease?** On this slide you should list a definition of a genetic disease.   
 **Slide 2: What is Cystic Fibrosis?**  Give a brief synopsis of the symptoms of the disease?  
 On which chromosome is the disease found?  
 Is the disease caused by a dominant allele or a recessive allele?  
 What kind of mutation causes the disease and how does it affect protein synthesis.   
 **Slide 3: What is Huntington’s Disease?** Give a brief synopsis of the symptoms of the disease?  
 On which chromosome is the disease found?  
 Is the disease caused by a dominant allele or a recessive allele?  
 What kind of mutation causes the disease and how does it affect protein synthesis.  
 **Slide 4: What is Down’s syndrome?** Give a brief synopsis of the symptoms of the disease?  
 On which chromosome is the disease found?  
 Is the disease caused by a dominant allele or a recessive allele?  
 What kind of mutation causes the disease and how does it affect protein synthesis.   
 **Slide 5: What is sickle cell anemia?** Give a brief synopsis of the symptoms of the disease?  
 On which chromosome is the disease found?  
 Is the disease caused by a dominant allele or a recessive allele?  
 What kind of mutation causes the disease and how does it affect protein synthesis.

**Slide 6: Review slide** Create 5 questions that your classmates should be able to answer from your presentation.  
 1 question for each slide.

**Slide 7: Works Cited Page** You must use MLA formatting for your works cited page.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **1** | **2** | **3** | **4** | **5** |
| **Slide Design** | Hard to read.  Unorganized.  No pictures.  Missing slides. | Hard to read. Slightly organized.  A few pictures, but not really related to topic  All slides are present. | Readable.  Organized  Relevant pictures.  All slides are present. | Easy to read  Organized  Relevant and interesting pictures.  All slides are present. | Easy to read.  Organized.  Relevant and interesting pictures.  Other multimedia such as sound or video.  Power Point animations that add to engagement.  All slides are present. |
| **Information** | Information is unclear and not written out.  Information is obviously copied from a source.  2 to 3 Topics are not covered. | Information is unclear and not written out well.  Information is obviously copied from a source.  1 or more topics are uncovered. | Information is clear and written out.  Information is not copied from source.  All topics are covered. | Information is easy to understand and written out.  Information is worded well.  All topics are covered. | Information is easy to understand and well written. All information is in the group’s own words.  All topics are covered. |
| **Presentation** | Only 1-2 people present.  All presenters read directly off slide.  All presenters are hard to hear.  All presenters do not demonstrate understanding of their topic. | Only 3 people present.  3-4 presenters read directly off slide.  3-4presenters are hard to hear.  1-2 presenters demonstrate some understanding of their topic. | Everyone presents.  1-2 presenters read directly off the slide.  1-2 students are hard to hear.  3-4 presenters demonstrate understanding of their topic. | Everyone presents.  No presenters read directly off the slide.  No students are hard to hear.  All presenters demonstrate understanding of their topic. | Everyone presents.  No presenters read directly off the slide.  No students are hard to hear.  All presenters demonstrate understanding of their topic.  Presenters are work to keep their audience engaged. |
| **Productivity** | Class time was used poorly to prepare for the presentation.  Group did not have a Prezi to present.  0 members are ready to present. | Class time was used poorly to prepare for the presentation.  Group has an unfinished Prezi to present.  1-2 members are ready to present. | Class time was used well to prepare for the presentation.  Group has a mostly finished presentation to present.  3-4 members are not ready to present. | Class time was used effectively to prepare for the presentation.  Group has a completed presentation to present.  All members are ready to present. | Class time was used very effectively to prepare for the presentation.  Group has a completed presentation to present.  All members are ready to present. |

Group Project Roles

**Manager:** The manager’s job is to manage the group. A good manager makes sure that everything is running smoothly and on time. Your job is to make sure everyone is working on their assigned task and to assist anyone who may need help. A good manager is actively engaged with his group members and strives to provide them with what they need to get the job done. This may mean taking the role of researcher or assisting the slide master. Whatever needs to be done to get the project done well and on time. The manager should check for quality by comparing the work of his team with the rubric he has been given.

**Researcher:** The researcher’s job is to find good resources that his teammates can use for the presentation. You will use the information you find during your research to answer the questions for each slide. Since most of your research will be done using the internet, you will need to keep track of which websites you have used as a resource. If you are using information from a certain resource on your slide, make sure to cite the website in your works cited. Use [www.easybib.com](http://www.easybib.com) or [www.citationmachine.net](http://www.citationmachine.net) to easily cite your sources.

**Slide Master:** Your job is to design and put together an easy to read and engaging presentation. You will be given information from your researchers and manager which you will then use to create a presentation. Good design is important for presentations. Make sure everything is easy to read. Add pictures and sounds for more engagement. Check in with your researchers and manager for feedback on your design.

**Presenter:** You will be presenting your Prezi as a group, so everyone is required to present at least one slide. Here is a good way to break up your slide presentation>

Slide 1: Title Slide – Manager

**Do this:**

* **Read and discuss the roles.**
* **As a group, assign each member a role.**
* **Tell Ms. Roderick which the roles your group members have decided on.**

Slide 2: (Researcher 1)

Slide 3: (Researcher 2)

Slide 4: (Researcher 3)

Slide 5: (Slide Master 4)

Slide 6: (Manager)

Slide 7: (Researcher)

**Genetic Project Group 7:**

**Topic:** Genetic Privacy

**Task:** Create a Prezi presentation on Genetic Privacy

**Presentation time:** 10 minutes (includes time to answer questions)

You will have one class period to put together a Prezi with the following information:

**Title Slide: Genetic Privacy**

**Slide 1: What is genome sequencing?** On this slide you should describe what genome sequencing is and what it can tell us?   
 **Slide 2: What are some benefits to genome sequencing?** What are some good things genome sequencing can tell us?   
 **Slide 3: What are some concerns about genome sequencing?** Why are citizens concerned about the government and private companies knowing what’s in their genome?

**Slide 4: What is the Genetic Privacy act?** What is the genetic privacy act, when was it passed, how does it affect society?  
   
 **Slide 5: How much does it cost to sequence someone’s genome?** List the current cost of genome sequencing.  
 List the projected future cost of genome sequencing?  
 List which group members would like to have their genome sequenced and which ones would not. Make sure to give  
 reasons for your decisions.  
 **Slide 6: Review slide** Create 5 questions that your classmates should be able to answer from your presentation.  
 1 question for each slide.

**Slide 7: Works Cited Page** You must use MLA formatting for your works cited page.

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