

ARC Week at Glance

Topic: Biotechnology: Course: Biology Grade(s): 10-12 Dates: 02/03/25-02/07/25

| | Learning Target (I am learning about...) | Criteria for Success (I can...) | Activation/ Instruction | Collaboration/ Guided Practice | Independent Learning/ Assessment |
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| | | | <i>(Include at least one/two formatives*in any part of the lesson as needed)</i> | | |
| Monday | I am learning how to ask questions to gather and communicate information about the use and ethical considerations of biotechnology in forensics, medicine, and agriculture. | I can ask questions to gather and communicate information about the use and ethical considerations of biotechnology in forensics, medicine, and agriculture. | <p>Do Now: What is tiered vocabulary?</p> <p>Students will conduct a KWL on Biotechnology in Forensics, Medicine, and Agriculture.</p> | <p>The teacher will begin the Nearpod Lesson on Biotechnology.</p> <p>Students will join the interactive version of the Nearpod Lesson to complete activities and polls.</p> <p>Students will complete the lesson on Biotechnology to answer the prompt: What is the use and ethical considerations of biotechnology in forensics, medicine, and agriculture.</p> <p>Students will also seek to answer the question from the “What do you Want to know” portion of their KWL.</p> | <p>Students will complete a Newsela Lesson within Nearpod on the Benefits and Risks of Biotechnology.</p> <p>Students will complete the Learn portion of their KWL chart to answer their questions and the prompt.</p> |

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| Tuesday | I am learning how to ask questions to gather and communicate information about the use and ethical considerations of biotechnology in forensics, medicine, and agriculture. | I can ask questions to gather and communicate information about the use and ethical considerations of biotechnology in forensics, medicine, and agriculture. | <p>Do Now: What is an example of Tier 3 Vocabulary?</p> <p>Students will be presented with the Driving Question:</p> <p>Has Biotechnology benefitted or harmed society?</p> | <p>Students will choose a stance and gather evidence/information using the Newsela article, their Textbook, or Google on how biotechnology has either benefitted or harmed society.</p> <p>Students will choose either forensics, medicine, or agriculture.</p> | <p>Students will gather information on the use and ethical considerations of biotechnology in forensics, medicine, and agriculture. They will look up information on their chosen stance on risks or benefits of biotechnology.</p> <p>Students will complete a 3-2-1 from what they have learned.</p> |
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| Wednesday | I am learning how to ask questions to gather and communicate information about the use and ethical considerations of biotechnology in forensics, medicine, and agriculture. | I can ask questions to gather and communicate information about the use and ethical considerations of biotechnology in forensics, medicine, and agriculture. | <p>Do Now: What is an example of Tier 2 Vocabulary?</p> <p>Students will conduct a KWL on Biotechnology in Forensics, Medicine, and Agriculture.</p> | <p>Students will choose a stance and gather evidence/information using the Newsela article, their Textbook, or Google on how biotechnology has either benefitted or harmed society.</p> <p>Students will choose either forensics, medicine, or agriculture.</p> | Students will begin a One Pager on their chosen topic and stance. |
| Thursday | I am learning how to ask questions to gather and communicate information about the use and ethical considerations of biotechnology in forensics, medicine, and agriculture. | I can ask questions to gather and communicate information about the use and ethical considerations of biotechnology in forensics, medicine, and agriculture. | Do Now: What is an example of Tier 1 Vocabulary? | Students will continue their One Pager on their chosen topic and stance. | Students will complete their One Pager on their chosen topic and stance. |

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| Friday | I am learning how to construct the structures of DNA | I can construct the structures of DNA | Do Now: On the strips provided write the examples of each tiered vocabulary and place them in the designated area. | The teacher will demonstrate how to conduct philosophical chairs. | <p>The students will conduct philosophical chairs using their One Pagers as evidence.</p> <p>They will choose whether Biotechnology is Beneficial or Risky.</p> <p>The students will turn their One Pagers in for Summative Grading.</p> |
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**Please highlight your literacy tasks, your major grades and your minor grades. I suggest color coding.