ARC Week at Glance

Topic: Macromolecules and Cellular Division Biology: Grade(s): 10-12 Dates: 12/02/24-12/22/24

	Learning Target (I am learning about…)	Criteria for Success (I can…)	Activation/ Instruction	Collaboration/ Guided Practice	Independent Learning/ Assessment
			*(Include at least one/two formatives*in any part of the lesson as needed)*		
Monday	I am learning how to plan and carry out investigations to determine the role of cellular transport (e.g., active, passive, and osmosis) in maintaining homeostasis.	I can plan and carry out investigations to determine the role of cellular transport (e.g., active, passive, and osmosis) in maintaining homeostasis.	Do Now: How do you think cellular transport plays a role in homeostasis?	The teacher will guide students on completing the Osmosis Case Study assignment.	Osmosis Case Study. Also, a literacy Task
Tuesday	I am learning how to construct an argument supported by evidence to relate the structure of macromolecules (carbohydrates, proteins, lipids, and nucleic acids) to their interactions in carrying out cellular processes.	I can construct an argument supported by evidence to relate the structure of macromolecules (carbohydrates, proteins, lipids, and nucleic acids) to their interactions in carrying out cellular processes.	Do Now: Students will proceed to Jam Board and state what is their favorite food. The teacher will go over learning targets and success criteria.	The teacher will guide students on how to complete a graphic organizer on Biomolecules. Students may use presentation provided in their Modules or Textbook.	Biomolecules Graphic Organizer

Wednesday	I am learning how to construct an argument supported by evidence to relate the structure of macromolecules (carbohydrates, proteins, lipids, and nucleic acids) to their interactions in carrying out cellular processes.	I can construct an argument supported by evidence to relate the structure of macromolecules (carbohydrates, proteins, lipids, and nucleic acids) to their interactions in carrying out cellular processes.	Do Now: What is a Biomolecule? Provide an example. Students will watch an interactive video on Biomolecules	The teacher will act as facilitator as students complete their Biomolecules Graphic organizer.	Biomolecules Graphic Organizer
Thursday	I am learning how to construct an argument supported by evidence to relate the structure of macromolecules (carbohydrates, proteins, lipids, and nucleic acids) to their interactions in carrying out cellular processes.	I can construct an argument supported by evidence to relate the structure of macromolecules (carbohydrates, proteins, lipids, and nucleic acids) to their interactions in carrying out cellular processes.	Do Now: What is an enzyme. Provide an example. Students will revisit their food choices from Monday in Jam Board, and state which biomolecule(s) is present within their food choice.	The teacher will guide students on completion of their discussion post on Biomolecules.	Students will complete a discussion post to relate the structure of macromolecules to their interactions in carrying out cellular processes.

Friday	I am learning how to develop and use models to explain the role of cellular reproduction (including binary fission, mitosis, and meiosis) in maintaining genetic continuity.	I can develop and use models to explain the role of cellular reproduction (including binary fission, mitosis, and meiosis) in maintaining genetic continuity.	Do Now: What is cellular reproduction?	The teacher will guide students on completing models on binary fission, mitosis, and meiosis. Students may also work on the cellular reproduction flip chart and view a slide on mitosis.	Cellular Reproduction Models

**Please highlight your literacy tasks, your major grades and your minor grades. I suggest color coding.