**Teacher: Conner & Wise Lesson Plans for Week of: October 31-November 4 Class: Biology**

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| **Date** | Curriculum Standards | Presentation Method | Assessment Method |
| Monday10/31/1655 min.. | QC-A5.a. Identify subatomic particles and describe how they are arranged in atomsQC-A5.b. Describe the difference between ions and atoms and the importance of ions in biological processesQC-A5.c. Compare the types of bonding between atoms to form moleculesQC-A5.f. Explain the fundamental principles of the pH scale and the consequences of having the different concentrations of hydrogen and hydroxide ionsQC-A5.i. Define and explain the unique properties of water that are essential to living organismsQC-A5.h. Describe the function of enzymes, including how enzyme-substrate specificity works, in biochemical reactions | □ Lecture□ Guided Practice□ Discussion□ Independent Work□ Collaborative Work□ Lab Activity□ Video/DVD□ Reading Strategy□ Other: Kahoot | □ Assignment□ Quiz□ Exam□ Teacher Observation□ Oral Questions□ Presentation□ Report□ Admit Slip□ Exit Slip |
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| **Lesson Content:Chapter Review** * Bellringer/Flashback
* Kahoot review game
 | **Learning Target(s):*** I can review properties of atoms, bonds, water, acids, bases, and enzymes.
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| **Date** | Curriculum Standards | Presentation Method | Assessment Method |
| Tuesday11/1/1655 min. | QC-A5.a. Identify subatomic particles and describe how they are arranged in atomsQC-A5.b. Describe the difference between ions and atoms and the importance of ions in biological processesQC-A5.c. Compare the types of bonding between atoms to form moleculesQC-A5.f. Explain the fundamental principles of the pH scale and the consequences of having the different concentrations of hydrogen and hydroxide ionsQC-A5.i. Define and explain the unique properties of water that are essential to living organismsQC-A5.h. Describe the function of enzymes, including how enzyme-substrate specificity works, in biochemical reactions | □ Lecture□ Guided Practice□ Discussion□ Independent Work□ Collaborative Work□ Lab Activity□ Video/DVD□ Reading Strategy□ Other: | □ Assignment□ Quiz□ Exam□ Teacher Observation□ Oral Questions□ Presentation□ Report□ Admit Slip□ Exit Slip |
| QC-A5.g. Describe the general structure and function(s), including common functional groups, of monosaccharides, disaccharides, polysaccharides, carbohydrates, fatty acids, glycerol, glycerides, lipids, amino acids, dipeptides, polypeptides, proteins, and nucleic acids |
| **Lesson Content:** * Exam: Chemistry of Life
* Powerpoint notes on biomolecules
* Exit Slip

**Vocabulary:** organic, monomer, polymer | **Learning Target(s):*** Demonstrate learning on a formative assessment.
* Explain the unique properties of carbon bonding in biological molecules
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| **Date** | Curriculum Standards | Presentation Method | Assessment Method |
| Wednesday11/2/1655 min. | QC-A5.g. Describe the general structure and function(s), including common functional groups, of monosaccharides, disaccharides, polysaccharides, carbohydrates, fatty acids, glycerol, glycerides, lipids, amino acids, dipeptides, polypeptides, proteins, and nucleic acids | □ Lecture□ Guided Practice□ Discussion□ Independent Work□ Collaborative Work□ Lab Activity□ Video/DVD□ Reading Strategy□ Other: | □ Assignment□ Quiz□ Exam□ Teacher Observation□ Oral Questions□ Presentation□ Report□ Admit Slip□ Exit Slip |
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| **Lesson Content:*** Bellringer/Flashback
* Directed Reading 3.3
* Powerpoint notes on carbohydrates
* Exit Slip

 **Vocabulary:** alcohol, amine, carboxyl ion, carbohydrates | **Learning Target(s):*** Identify functional groups in biological molecules
* Describe the chemical structure of carbohydrates.
* Discuss how carbohydrates are used by the cell.
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| **Date** | Curriculum Standards | Presentation Method | Assessment Method |
| Thursday11/3/1655 min. | QC-A5.g. Describe the general structure and function(s), including common functional groups, of monosaccharides, disaccharides, polysaccharides, carbohydrates, fatty acids, glycerol, glycerides, lipids, amino acids, dipeptides, polypeptides, proteins, and nucleic acids | □ Lecture□ Guided Practice□ Discussion□ Independent Work□ Collaborative Work□ Lab Activity□ Video/DVD□ Reading Strategy□ Other: | □ Assignment□ Quiz□ Exam□ Teacher Observation□ Oral Questions□ Presentation□ Report□ Admit Slip□ Exit Slip |
| **Lesson Content:*** Bellringer/Flashback
* PowerPoint notes on proteins and lipids
* Exit Slip

**Vocabulary:** lipid, protein, amino acid, enzyme, peptide bond | **Learning Target(s):*** Describe the chemical structure of lipids and proteins.
* Discuss how lipids and proteins are used by the cell.
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| **Date** | Curriculum Standards | Presentation Method | Assessment Method |
| Friday11/4/1655 min. | QC-A5.g. Describe the general structure and function(s), including common functional groups, of monosaccharides, disaccharides, polysaccharides, carbohydrates, fatty acids, glycerol, glycerides, lipids, amino acids, dipeptides, polypeptides, proteins, and nucleic acids | □ Lecture□ Guided Practice□ Discussion□ Independent Work□ Collaborative Work□ Lab Activity□ Video/DVD□ Reading Strategy□ Other: | □ Assignment□ Quiz□ Exam□ Teacher Observation□ Oral Questions□ Presentation□ Report□ Admit Slip□ Exit Slip |
| **Lesson Content:*** Bellringer/Flashbacks
* PowerPoint notes on Nucleic Acids
* EOC Review
* Exit Slip

**Vocabulary:** nucleic acid, nucleotide, DNA, RNA, ATP | **Learning Target(s):*** Describe the chemical structure of nucleic acids.
* Discuss how nucleic acids are used by the cell.
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Special Notes and Comments:

* Students with IEPs, 504, Medical Plans, and physicians notes will be allowed any prescribed accommodations: Extended time on assignments; verbal and written instructions; restroom breaks when needed; drinks and snacks allowed; seating near the front of the room; etc.