**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 |
| Monday  10/31/16  55 min.. | QC-A5.a. Identify subatomic particles and describe how they are arranged in atoms  QC-A5.b. Describe the difference between ions and atoms and the importance of ions in biological processes  QC-A5.c. Compare the types of bonding between atoms to form molecules  QC-A5.f. Explain the fundamental principles of the pH scale and the consequences of having the different concentrations of hydrogen and hydroxide ions  QC-A5.i. Define and explain the unique properties of water that are essential to living organisms  QC-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. | | | |
| **Date** | Curriculum Standards | | | Presentation Method | Assessment Method |
| Tuesday  11/1/16  55 min. | QC-A5.a. Identify subatomic particles and describe how they are arranged in atoms  QC-A5.b. Describe the difference between ions and atoms and the importance of ions in biological processes  QC-A5.c. Compare the types of bonding between atoms to form molecules  QC-A5.f. Explain the fundamental principles of the pH scale and the consequences of having the different concentrations of hydrogen and hydroxide ions  QC-A5.i. Define and explain the unique properties of water that are essential to living organisms  QC-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 | | |
| **Date** | Curriculum Standards | | | Presentation Method | Assessment Method |
| Wednesday  11/2/16  55 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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| Thursday  11/3/16  55 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. | | |
| **Date** | Curriculum Standards | | Presentation Method | Assessment Method |
| Friday  11/4/16  55 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. | | |

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.