**Weekly Lesson Plans – Anatomy & Physiology**

**Introduction to the Cardiopulmonary System**

|  |  |
| --- | --- |
|  | Subject: Anatomy & Physiology |
| A Day  P3  Substitute Teacher | **Heart Structure**  Standards: NJCCCS 5.1; 5.3.12.A.6, E.2 NGSS HS-LS1-2, 3  Teaching Points: SWBAT analyze heart structure and trace blood flow.  Procedures: Students complete an activity sheet that diagrams the flow of blood through the heart. Students will trace Pulmonary blood flow through the heart and then Systemic blood flow.  Assessment: Completion of activity sheet, dissection practical on a later date |
| B Day | **Class does not meet on B Days**  Standards:  Teaching Points:  Procedures:  Assessment: |
| C Day  P3 | **Blood Pressure Laboratory Activity – Day 1**  **Standards:** NJCCCS 5.1; 5.3.12.A.6, E.2 NGSS HS-LS1-2, 3  **Teaching Points:** SWBAT analyze actions of Cardiovascular System by performing activities and measuring blood pressure responses  **Procedures:** Students will complete activities in pre-defined groups of two students. These activities will result in changes in the blood pressure of the student, which will be measured and compared to the rest of the class. Students will observe the reactions, and infer the reasons for them.  **Assessment:** Engagement in activity, activity sheet, examination of data, quizzes on a later date |
| D Day  P3 | **Introduction to Cardiovascular System**  **Standards:** NJCCCS 5.1; 5.3.12.A.6, E.2 NGSS HS-LS1-2, 3  **Teaching Points:** Students will review PowerPoint presentation and view videos about how the cardiovascular system works.  **Procedures:** This is an introduction to structure, function and nomenclature of the parts of the heart and vessels. Students will take notes, and we will pause the video so we may reflect on concepts in groups before moving on to the next section.  **Assessment:** Student notes, quizzes on a later date |