**Conyers Middle School**
**“Learning and Growing Together”
7th Grade Lesson Plans
Week of January 6-9th**

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| **Standards/****Elements** | S7L5: Students will examine the evolution of living organisms through inherited characteristics that promote the survival of organisms and the survival of successive generations of their offspring. [a: Explain that physical characteristics of organisms have changed over successive generations (e.g. Darwin’s finches and peppered moths on Manchester)](http://411.rockdale.k12.ga.us/tl/ci/SC%20Docs/MS%20Planning%20Guide/7th%20Life%20Science/Teacher%20Notes/Teacher%20Notes%20S7L5a.pdf) |
| **Characteristics of Science Standards** | **S7CS5- Students will use the ideas of system, model, change, and scale in exploring scientific and technological matters**1. Observe and explain how parts can be related to other parts in a particular system such as predator/prey relationships

**S7CS6- Students will communicate scientific ideas and activities clearly**c. organize scientific information using appropriate simple tables, charts, and graphs, and identify the relationships the reveal. |
| **Essential Questions** | **How do we predict the genotypes and phenotypes of offspring??** |
| **Enduring Understandings** | Evolution is the gradual change of a species over a long period of time |
| **Essential Vocabulary** | Species, Evolution, Natural Selection, Variation, Adaptation, Gradualism, Punctuated Equilibrium, Charles Darwin, Hypothesis, Theory |
| **Learning Format- Check All That Apply****Whole Group****Cooperative GroupFlexible GroupCollaborative PairCenters/Stations****Other (Please list):**  | **Technology Usage****Teacher: powerpoint****polleverywhere****Student:** **Cell phone** | **Assessment- Check All That Apply****Student ConferencingPerformance TaskProjectClass PresentationTestQuizHomeworkTicket Out The Door CPS Response****Other (Please list): polleverywhere.com** |
|  | **Monday** | **Tuesday** | **Wednesday** | **Thursday** | **Friday** |
| **Warm-Up/Hook** |  | Separate word document | Separate word document | Separate word document | Separate word document |
| **Resource Materials** |  | paper | Power point textbook | Power point textbook  | Power point textbook |
| **Instructional Activities/Strategies** | No school | Welcome students backAllow 5-10 minutes to share about their breakTeach-to’sStudents discuss what they believe a theory is.Then describe a theory.Then introduce some common theories | Teach to’sIntroduce the theory of evolution | Teach to’sContinue evolutionIntroduce Charles Darwin | Teach to’s Continue Charles Darwin Introduce theory of natural selection |
| **Differentiation** |  | Teacher will circulate and provide assistance to lower students | Teacher will circulate and provide assistance to lower students | Provide notesOne-on-one | Teacher will provide assistance with helping students read cards when necessary |
| **Writing****Inquiring****Collaboration****Organization****Reading** |  | **W-** Students will write 2-3 sentences describing what they think a theory is before discussing it.**C-** Students will discuss to gain an understanding  | **O-** Student will take cornell notes | **O-** will take cornell notes | **O-** Student will take cornell notes |
| **D.O.K.** |  | **Level 1-** recall facts about scientific method**Level 2-** Students are having to use prior knowledge in their lives and connect it to a scientific concept. | **Level 1-** recall facts about evolution |  **Level 1-** recall facts about evolution and Charles Darwin |  **Level 1-** recall facts about evolution, Charles Darwin and natural selection |
| **Homework** |  | Homework sheet | Homework sheet | Homework sheet | Homework Sheet |
| **1st pd** | No School | Teach To’sPunnett Square Review | Teach To’sStudents will work in partners to come up with a hypothetical cross of genetics. Then they will trade with another pair of partners and see if they can solve each others. | Teach To’sWriting- Students will write about a scenario of using genetics to identify offspring. | Teach To’sPunnett Square Test |