

Emerson Middle School Integrated Lesson Form

Title: Week 13: November 11-15

Lesson Description: Review

<p>Educator</p>	<p>Name: Elena Mackey A+ School: EMS Grade level/subject area: 7th Grade Science</p>
<p>Curriculum & Arts</p>	<p>Overarching Concept: Review Natural Selection/Genetics Essential Question(s) and/or Focus Question(s):</p> <p>How does a beneficial mutation influence the future of a species?</p> <p>What is genetic Inheritance? How do living things inherit traits? How does the environment affect phenotype? How do living things adapt to their environment? What is selective breeding? How are traits chosen? What are some problems with selective breeding?</p> <p>Disciplines Addressed: 21st Century skills:</p> <p><input type="checkbox"/>_dance <input type="checkbox"/>_music <input checked="" type="checkbox"/>_x_visual arts <input type="checkbox"/>_x_creativity <input type="checkbox"/>_drama <input checked="" type="checkbox"/>_x_reading <input checked="" type="checkbox"/>_x_writing <input type="checkbox"/>_x_problem solving <input checked="" type="checkbox"/>_X_language arts <input checked="" type="checkbox"/>_x_science <input type="checkbox"/>_other: <input checked="" type="checkbox"/>_x_technology <input checked="" type="checkbox"/>_x_math <input type="checkbox"/>_social studies <input checked="" type="checkbox"/>_x_collaboration</p> <p>Curricular connections/instructional objectives: (state standards, etc.) MS LS 4-4, 4-5, and 4-6</p>
<p>Enriched Assessment</p>	<p>Ways to assess/evaluate students' understanding during and at the conclusion of the lesson</p> <p>Formative: Students will answer bellwork questions that relate to our topic.</p> <p>Students will complete the practice test questions and the selective breeding worksheet</p> <p>Summative: Bundle 2 test</p>

	<p>Note any unexpected outcomes with students and how they affected next steps:</p>								
<p>Collaboration</p>	<p>How will collaboration be used: (between students, fellow teachers, or anyone with potential expertise):</p> <p>Students will work in groups to create their comic strips. I will seek feedback from my mentor about my lesson plans.</p>								
<p>Multiple Learning Pathways</p>	<p>Multiple Intelligences addressed within lesson: (check all that apply)</p> <table border="0"> <tr> <td><input type="checkbox"/> bodily/kinesthetic</td> <td><input type="checkbox"/> musical-rhythmic</td> </tr> <tr> <td><input checked="" type="checkbox"/> interpersonal</td> <td><input checked="" type="checkbox"/> naturalist</td> </tr> <tr> <td><input checked="" type="checkbox"/> Intrapersonal</td> <td><input checked="" type="checkbox"/> verbal-linguistic</td> </tr> <tr> <td><input checked="" type="checkbox"/> logical-mathematical</td> <td><input checked="" type="checkbox"/> visual spatial</td> </tr> </table>	<input type="checkbox"/> bodily/kinesthetic	<input type="checkbox"/> musical-rhythmic	<input checked="" type="checkbox"/> interpersonal	<input checked="" type="checkbox"/> naturalist	<input checked="" type="checkbox"/> Intrapersonal	<input checked="" type="checkbox"/> verbal-linguistic	<input checked="" type="checkbox"/> logical-mathematical	<input checked="" type="checkbox"/> visual spatial
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<p>Infrastructure</p>	<p>Classroom Infrastructure/Setup: Timeframe (example: length of unit, number and length of lesson(s): Space: Material: Textbooks worksheets Youtube TPT, Mastery Connect</p> <p>Monday Bellwork: (10 min) If a dog inherits a dominant and recessive gene for hair color which trait will show? Explain why.</p> <p>Trade and grade sheep lab 15 min(Red or blue pen provided) Pocket Mouse video https://www.youtube.com/watch?v=sjeSEngKGrg&t=198s</p> <p>Tuesday Bellwork (6 min) A. What type of diagram would you use to determine if a child will inherit albinism? B. Use this diagram to determine the probability of a heterozygous mother and a heterozygous father having an albino child. (Albinism is a recessive disorder.) First 9 with partner (10 min)</p>								

	<p>Go over 10 min</p> <p>Selective breeding Practices alone (10 min)</p> <p>Go over Selective Breeding answers 10</p> <p>Wednesday Bellwork: (10 min) Which dog breed is more likely to recover and adapt to a deadly genetic disorder a purebred coonhound or a mutt? Explain why. Do page 2 with partner (10 min) Go over 10 min</p> <p>Selective breeding part 2 (10 min)</p> <p>Go over Selective Breeding answers 10</p> <p>Thursday Bellwork: 10 min</p> <ul style="list-style-type: none"> A. In roses the color white is recessive to the color red. If two white roses were crossed is it possible to have red rose offspring? Why or why not? B. If two red roses were crossed is it possible for there to be white offspring? Explain. <p>Bundle 2 test 40 (min)</p> <p>Friday (Bellwork: 10 min) . Choose one to answer: (Three sentences) What is something you are thankful and why OR What is a Thanksgiving tradition your family has</p> <p>The science behind thanksgiving 20 min</p> <p>https://www.flippedoutsience.com/uploads/2/7/8/2/27824091/selective_breeding_notes_and_activity_student_version.pdf</p>
<p>Experiential Learning & Climate</p>	<p>Steps/Process: (You may share by using this form, video, photostory, powerpoint, etc.) Please attach rubric, checklist or other assessment tool, if applicable.</p>

ISTE standards	Check all that apply: <input checked="" type="checkbox"/> Empowered learner <input checked="" type="checkbox"/> Knowledge constructor <input checked="" type="checkbox"/> Computational thinker communicator <input type="checkbox"/> Global collaborator <input checked="" type="checkbox"/> Digital citizen <input checked="" type="checkbox"/> Innovative designer <input checked="" type="checkbox"/> Creative