



Who's Got an Orange Thumb? Sweetpotato Lesson - MS Growing a Sweetpotato - Day 1



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| Grade Level(s): 6 th – 8 th grade | Lesson Description: Students learn how to explore the biology of sweetpotatoes | Timeframe: Minutes: 45 min Suggested days: 2 days with weekly follow ups on growth |
| Goals & Objectives This middle school lesson will incorporate botany, horticulture, and general biology, into the Family and Consumer Sciences classroom and facilitate a planting/growing project. Students will be able to: *explain how a sweetpotato grows *grow a sweetpotato slip | | Prepared By: Barnanne Creech Family & Consumer Sciences Teacher Zebulon GT Magnet Middle School Wake County Public Schools |
| North Carolina Family & Consumer Sciences Education Standards: | | |
| Module 3-Nutrition and Wellness ES 3.00 Understand factors that influence nutrition and wellness. 3.01 Understand the impact of choices on wellness. 3.02 Understand kitchen basics. 3.03 Understand nutritious meal planning and preparation. | | |
| Family & Consumer Sciences National Standards http://www.nasafacs.org/national-standards-and-competencies.html 14.4 Evaluate factors that affect food safety from production through consumption 14.5 Evaluate the influence of science and technology on food, nutrition, and wellness. | | |
| Materials Needed | *laptop *LCD *student handouts *paper *markers *document camera *materials to grow a sweetpotato on day 2 – cup, water, sweetpotato, toothpicks | |

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| <p>Anticipatory Set 15 Minutes</p> | <p>Teacher holds up a sweetpotato and asks “does anyone know how to grow a Sweetpotato?”</p> <p>Pass out 3, 2, 1 handout Show student video “Making It Grow - Sweetpotato Research” https://www.youtube.com/watch?v=gE1EO-ONko4 Students record using the 3,2,1 handout Debrief after the video, as to what they wrote on their handouts</p> | <p>*Computer *LCD *Sweetpotato *3, 2, 1 handout Appendix A</p> |
| <p>Activity 1 20 Minutes</p> | <p>Students get into groups of 2 Students get laptops – 1 laptop per team Students are to read “From Farm to School Crops of NC – Digging for Sweetpotatoes” Student read to each other and they individually complete the Summarizing Handout – Appendix B</p> | <p>*Lap tops *Summarizing handout – Appendix B</p> |
| <p>Activity 2 5 minutes</p> | <p>Talk with partner about what the 3 supporting details an overall summary from reading the book. Students review what they wrote on the summarizing handout.</p> | |
| <p>Activity 3 3 Minutes</p> | <p>Prep for students to next class lesson as they will create 3 Summary paper slides about what they read in the book.</p> | |
| <p>Summary/Evaluation 2 min</p> | <p>Exit ticket time! Using complete sentences, each student write down 1 thing they learned today from the lesson. Share their exit tickets with one another.</p> | |

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| Source/Other Resources | <p>“Industry.” <i>North Carolina Sweetpotatoes</i>, ncsweetpotatoes.com/sweet-potato-industry/</p> <p>SouthCarolinaETV. “Making It Grow - Sweetpotato Research.” <i>YouTube</i>, YouTube, 22 Feb. 2017, www.youtube.com/watch?v=gE1EO-ONko4.</p> |
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