**Who’s Got an Orange Thumb?**

**Sweetpotato Lesson - MS**

**Growing a Sweetpotato - Day 1**

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| Grade Level(s):  6th – 8th 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 & ObjectivesThis 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 CreechFamily & Consumer Sciences TeacherZebulon GT Magnet Middle SchoolWake 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>

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| 14.4 | Evaluate factors that affect food safety from production through consumption. |
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| 14.5 | Evaluate the influence of science and technology on food, nutrition, and wellness. |
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| 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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| Anticipatory Set15 Minutes | Teacher holds up a sweetpotato and asks “does anyone know how to grow a Sweetpotato?”Pass out 3, 2, 1 handoutShow student video “Making It Grow - Sweetpotato Research”<https://www.youtube.com/watch?v=gE1EO-ONko4>Students record using the 3,2,1 handoutDebrief after the video, as to what they wrote on their handouts | \*Computer\*LCD\*Sweetpotato\*3, 2, 1 handout Appendix A |
| Activity 120 Minutes | Students get into groups of 2Students get laptops – 1 laptop per teamStudents are to read “From Farm to School Crops of NC – Digging for Sweetpotatoes” PDF Link in the folderStudent read to each other andthey individually complete the Summarizing Handout – Appendix B | \*Lap tops\*Summarizing handout – Appendix B |
| Activity 25 minutes | 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.  |  |
|  Activity 33 Minutes | Prep for students to next class lesson as they will create 3 Summary paper slides about what they read in the book. |  |
| Summary/Evaluation2 min | 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.  |  |
| Source/Other Resources |  “Industry.” *North Carolina Sweetpotatoes*, ncsweetpotatoes.com/sweet-potato-industry/ SouthCarolinaETV. “Making It Grow - Sweetpotato Research.” *YouTube*, YouTube, 22 Feb. 2017, [www.youtube.com/watch?v=gE1EO-ONko4](http://www.youtube.com/watch?v=gE1EO-ONko4).  |