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| Garden Area | Plant | Curriculum Connections |  |
| Herb Garden (can stay til Fall) | Chives | Science: Sense Exploration  Social Studies: Colonial History (colonial gardens) |  |
|  | Cilantro | Science: Sense Exploration |  |
|  | Oregano | Science: Sense Exploration |  |
|  | Parsley | Science: Sense Exploration |  |
| Fruit and Vegetables | Beans (late s ring/early summer) | Science: Plant Life Cycle  Social Studies: Native Americans/Colonial History  Math: Measuring, Graphing (bean growth over time) |  |
|  | Beets (late Spring til Fall) | Art: Natural Dyes |  |
|  | Kale (late Spring til Fall) | Culinary connection: Southern food/nutrition |  |
|  | Peas | Science: Genetics (Mendel), Soils (nitrogen fixing), Plant Life Cycle, Flower Dissection  Math: growing over time graphing |  |
|  | Radish | nutrition |  |
|  | Spinach | nutrition |  |
|  | Swiss Chard (late spring to fall) | nutrition |  |
|  | Strawberries | Science: Plant Life Cycle, Asexual and Sexual Reproduction |  |
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Late Summer/Fall Planting

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| Fruit and Vegetables | Broccoli | Science: Plant Parts, nutrition |  |
|  | Carrots | Salad |  |
|  | Corn | Social Studies: Native Americans/Colonial History (Three Sisters Garden), Maya, Inca and Aztecs, Colombian Exchange  Companion Planting (beans and Squash) |  |
|  | Eggplant | Science: Plant Life Cycle |  |
|  | Hot Pepper | Science: Plant Life Cycle |  |
|  | Potato | Social Studies: Incas, Colombian Exchange (between Americans and Europe) |  |
|  | Pumpkin | Science: Plant Life Cycle |  |
|  | Squash | Science: Plant Life Cycle  Social Studies: Native Americans/colonial history |  |
|  | Tomato | Science: Plant Life Cyce  Social Studies: Colombian Exchange (between Americas and Europe)  Pizza, salsa |  |
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| Grade | Lesson | Resource |
|  | Weather | [Seasons on a Farm](https://growing-minds.org/lesson-plans/seasons-and-weather/) |
|  | Soil | [Soil Temperature Lesson](https://growing-minds.org/lesson-plans/soil-temperature/)  [Soil Exploration](https://growing-minds.org/documents/soil-exploration-lesson-plan.pdf/) |
|  | Writing | [In Our Backyard Garden](https://growing-minds.org/childrens-literature/in-our-backyard-garden/) |
|  | Life Cycles/ Animals | [An earthworms life](https://growing-minds.org/childrens-literature/an-earthworms-life/)  [Yucky Worms](https://growing-minds.org/childrens-literature/yucky-worms/)  [Brilliant Bees](https://growing-minds.org/childrens-literature/brilliant-bees/)  [Where Butterflies Grow](https://growing-minds.org/childrens-literature/where-butterflies-grow/) |
|  | Plant Function | [What Do Roots Do?](https://growing-minds.org/childrens-literature/what-do-roots-do/)  [Stems](https://growing-minds.org/childrens-literature/stems/)  [Beans](https://extension.uga.edu/content/dam/extension/programs-and-services/school-gardens/documents/1-B.Needs-Skills-Bean.pdf) |
| k-2 | Animals/Plants | [Edible vs non edible](https://growing-minds.org/lesson-plans/edible-vs-non-edible/)  [Decomposition and Decomposers](https://extension.uga.edu/content/dam/extension/programs-and-services/school-gardens/documents/K-Decomposition-and-Decomposers.pdf)  [Searching garden safely](https://growing-minds.org/documents/searching-garden-safely-lesson-plan.pdf/) |
|  | English and Language Arts | [Seasons and weather](https://growing-minds.org/lesson-plans/seasons-and-weather/)  [Tomato Exploration](https://growing-minds.org/documents/tomato-exploration-lesson-plan.pdf/)  [Farmer at the Schoolhouse](https://extension.uga.edu/content/dam/extension/programs-and-services/school-gardens/documents/2-ELA-Farmer-at-the-Schoolhouse.pdf) |

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|  | Math | [Number-Flower Decomposition](http://www2.onu.edu/~a-henton/lessonplan.html)  [Tinker Veggies](https://extension.uga.edu/content/dam/extension/programs-and-services/school-gardens/documents/K-Math-Tinker-Veggies.pdf)  [Plant Power](https://guilford.ces.ncsu.edu/k8/)  [Garden Menu Math](http://georgiaorganics.org/wp-content/uploads/2012/10/Lesson-2c-Garden-Menu-Math.pdf)  [Spider Web Hunt](https://extension.uga.edu/content/dam/extension/programs-and-services/school-gardens/documents/1-Sorting-Spider-Web-Hunt.pdf) |
|  | Weather | [Changing Seasons and Changing Leaves](https://growing-minds.org/lesson-plans/changing-seasons-and-changing-leaves/)  [Mini terrarium](http://www.lifelab.org/wp-content/uploads/2010/06/Sampler_Second.pdf)  [Spring weather and invertebrates](https://extension.uga.edu/content/dam/extension/programs-and-services/school-gardens/documents/1-Seasons-Spring-Weather-and-Invertebrates.pdf)  [Spring Weather](https://extension.uga.edu/content/dam/extension/programs-and-services/school-gardens/documents/2-Earths-surface-Spring-Weather.pdf) |
| 3rd | Rock and Minerals | [Soil Stories](https://www.lifelab.org/wp-content/uploads/2010/02/2ndGradeSoilStories2012.pdf) |
|  | Habitats | [Biodiversity in your community](http://gen.uga.edu/gen_biodiversity.html)  [Butterfly Habitat](https://extension.uga.edu/content/dam/extension/programs-and-services/school-gardens/documents/3-Habitats-In-Garden-Butterfly-Habitat.pdf)  [Six of one, Half dozen of another](https://www.lifelab.org/wp-content/uploads/2010/07/sixofone.pdf)  [Hitchhiker seeds pg 16](https://www.lifelab.org/wp-content/uploads/2010/06/Sampler_Third.pdf) |
|  | Pollution and Conservation | [Renewable Resources](https://extension.uga.edu/content/dam/extension/programs-and-services/school-gardens/documents/3-Pollution-Renewable-Resources.pdf)  [The Pollution Department](http://gen.uga.edu/gen_pollination.html)  [Water Cleaning Department](http://gen.uga.edu/gen_water.html) |
|  | Heat Energy | [Exploring Habitats with Terrariums](https://extension.uga.edu/content/dam/extension/programs-and-services/school-gardens/documents/3-Heat-Energy-Habitats-Terrarium.pdf) |
|  | English and Language Arts | [Drama in the Turnip PAtch](https://extension.uga.edu/content/dam/extension/programs-and-services/school-gardens/documents/3-Lit-Info-Speaking-Drama-in-the-Turnip-Patch.pdf)  [Planting a love for literature](https://extension.uga.edu/content/dam/extension/programs-and-services/school-gardens/documents/3-Lit-Info-Foundational-Planting-a-Love-for-Literature.pdf)  [Carrot Lesson plan](https://firstschoolgarden.files.wordpress.com/2012/06/carrot-lesson-plan-gfs.pdf)  [The School Garden at Home](https://extension.uga.edu/content/dam/extension/programs-and-services/school-gardens/documents/3-ELA-The-School-Garden-at-Home.pdf) |
|  | Math | [Bean Race](https://extension.uga.edu/content/dam/extension/programs-and-services/school-gardens/documents/3-Measurement-Bean-Race.pdf)  [Map the Garden](https://extension.uga.edu/content/dam/extension/programs-and-services/school-gardens/documents/3-Measurement-Map-the-Garden.pdf)  [Money Saving Garden](https://extension.uga.edu/content/dam/extension/programs-and-services/school-gardens/documents/3-Relationship-Multiplication-Money-Saving-Garden.pdf)  [Fraction Salad](https://extension.uga.edu/content/dam/extension/programs-and-services/school-gardens/documents/3-Representing-Comparing-Fractions-Fraction-Salad.pdf)  [Serving Sizes](https://extension.uga.edu/content/dam/extension/programs-and-services/school-gardens/documents/3-Representing-Comparing-Fractions-Serving-Sizes.pdf) |
| 4th | Weather | [Weather round up pg 13](https://www.lifelab.org/wp-content/uploads/2010/06/Sampler_First.pdf)  [Spring](https://extension.uga.edu/content/dam/extension/programs-and-services/school-gardens/documents/4-Weather-Spring-Weather.pdf) |
|  | Ecosystems  Food web  Adaptation | [What is an Ecosystem](http://gen.uga.edu/gen_ecosystem.html)  [Bugs in the Garden](https://extension.uga.edu/content/dam/extension/programs-and-services/school-gardens/documents/4-Ecosystems-In-Garden-Bugs-in-Garden.pdf)  [Garden Food Chain](https://extension.uga.edu/content/dam/extension/programs-and-services/school-gardens/documents/4-Food-Chain-Garden-Food-Chains.pdf)  [Garden Habitats](https://www.lifelab.org/wp-content/uploads/2010/02/4thGradeHabitats2012.pdf)  [Ecosystem](https://extension.uga.edu/content/dam/extension/programs-and-services/school-gardens/documents/4-Ecosystems-Skills-Ecosystem.pdf)  [Invasive Species](http://www.nhptv.org/natureworks/nwep15tg.htm) |
|  | English and Language Arts | [Following Food from Farm to Fork](https://extension.uga.edu/content/dam/extension/programs-and-services/school-gardens/documents/4-ELA-Following-Food-from-Farm-to-Fork.pdf)  Planting a Love for Literature (above)  Drama in the Turnip Patch (above)  [Writing a Plant Biography](https://extension.uga.edu/content/dam/extension/programs-and-services/school-gardens/documents/4-Writing-Writing-a-Plant-Biography.pdf)  [Plant This is your Life!](https://extension.uga.edu/content/dam/extension/programs-and-services/school-gardens/documents/4-ELA-Plant-This-Is-Your-Life.pdf)  [Writing Instructions for a School Garden Bed](https://extension.uga.edu/content/dam/extension/programs-and-services/school-gardens/documents/4-ELA-Writing-Instructions-for-a-School-Garden-Bed.pdf) |
|  | Math | Serving Sizes (above)  Fraction Salad (above)  [In a pickle](https://extension.uga.edu/content/dam/extension/programs-and-services/school-gardens/documents/4-Fractions-In-a-Pickle.pdf)  [Frog Garden Party!](https://extension.uga.edu/content/dam/extension/programs-and-services/school-gardens/documents/4-Math-Frog-Garden-Party.pdf)  Map the Garden (above)  [Food Label](https://extension.uga.edu/content/dam/extension/programs-and-services/school-gardens/documents/4-Math-Food-Labels.pdf) |
|  | Social Studies | [creating a three sisters garden](https://extension.uga.edu/content/dam/extension/programs-and-services/school-gardens/documents/4-Historical-Creating-a-Three-Sisters-Garden.pdf)  [Finding, Gathering, Saving Seeds](https://extension.uga.edu/content/dam/extension/programs-and-services/school-gardens/documents/4-Historical-Finding-Gathering-and-Saving%20Seeds.pdf)  [The Dehydrated Garden](https://extension.uga.edu/content/dam/extension/programs-and-services/school-gardens/documents/4-SS-The-Dehydrated-Garden.pdf)  [Community Interdependence](https://extension.uga.edu/content/dam/extension/programs-and-services/school-gardens/documents/4-Economic-Community-Interdependence.pdf) |
| 5th | Earth Science | [Beach Reclamation lab](https://extension.uga.edu/content/dam/extension/programs-and-services/school-gardens/documents/5-Destructive-Forces-Beaches.pdf)  [Soil in your Community](http://gen.uga.edu/gen_soil.html) |
|  | Life Science | [Plant Classification](https://extension.uga.edu/content/dam/extension/programs-and-services/school-gardens/documents/5-Classification-Classification.pdf)  [Animal vs Plant cell](https://extension.uga.edu/content/dam/extension/programs-and-services/school-gardens/documents/5-Cells-Animal-vs-Plant-Cell.pdf)  [Bend a Carrot](https://extension.uga.edu/content/dam/extension/programs-and-services/school-gardens/documents/5-Cells-Bend-a-Carrot.pdf)  [Edible Cell](https://extension.uga.edu/content/dam/extension/programs-and-services/school-gardens/documents/5-Cells-Edible-Cell.pdf) |
|  | English and Language Arts | Drama in the Turnip Patch (above)  Following Food from Farm to Fork |
|  | Math | Fraction Salad  [Germination Rate Math](https://extension.uga.edu/content/dam/extension/programs-and-services/school-gardens/documents/5-fractions-Germination-Rate-Math.pdf)  [T.I.P.S Carrot Math](https://firstschoolgarden.files.wordpress.com/2012/06/carrot-tips-math-problem-gfs.pdf)  [Volume of the Garden](https://extension.uga.edu/content/dam/extension/programs-and-services/school-gardens/documents/5-Volume-Measurement-Volume-of-the-Garden.pdf) |
|  | Social Studies | Community Interdependence  [Food Roots and Routes](https://extension.uga.edu/content/dam/extension/programs-and-services/school-gardens/documents/5-Economic-Food-Roots-and-Routes.pdf)  [Food Systems Feed the World](https://extension.uga.edu/content/dam/extension/programs-and-services/school-gardens/documents/5-Geographic-Food-Systems-Feed-the-World.pdf)  [Victory Garden and WW2](https://extension.uga.edu/content/dam/extension/programs-and-services/school-gardens/documents/5-Historical-Victory-Garden-and-WWII.pdf) |

Middle School

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| Grade | Subject | Lesson |
| 6th | Earth | [Earth Cycles](https://extension.uga.edu/content/dam/extension/programs-and-services/school-gardens/documents/6-Earth-Materials-Earth-Cycles.pdf)  [Soil Profiles in Film](https://extension.uga.edu/content/dam/extension/programs-and-services/school-gardens/documents/6-Earth-Materials-Soil-Profiles-in-Film.pdf)  [Why does Organic matter matter?](https://extension.uga.edu/content/dam/extension/programs-and-services/school-gardens/documents/6-Why-does-organic-matter-matter.pdf) |
|  | Human Impact on the Earth | [Take Out the Trash](http://fergusonfoundation.org/pdf/TakeOutTheTrash_lessonplan.pdf) |
|  | Energy Sources | [Growing our Fuels](https://mda.maryland.gov/farm_to_school/Documents/f2s_biofuels.pdf) |
|  | Meteorology | [Earth Supports Life!](https://extension.uga.edu/content/dam/extension/programs-and-services/school-gardens/documents/6-Earth-Supports-Life.pdf)  [Precipitation Evaporation and Condensation](https://extension.uga.edu/content/dam/extension/programs-and-services/school-gardens/documents/6-Precipitation-Evaporation-and-Condensation-in-the-Garden.pdf)  [Water Conservation in the Garden](https://extension.uga.edu/content/dam/extension/programs-and-services/school-gardens/documents/6-Water-Conservation-in-the-Garden.pdf)  [weather in the Garden](https://extension.uga.edu/content/dam/extension/programs-and-services/school-gardens/documents/6-Weather-in-the-Garden.pdf) |
|  | Oceanography | [The Water Cycle](https://fergusonfoundation.org/hbf-kids-zone/the-water-cycle/)  [Ways of a Watershed](https://fergusonfoundation.org/hbf-kids-zone/ways-of-a-watershed/) |
| 7th | Biological Evolution | [Teosinte Case Study](https://extension.uga.edu/content/dam/extension/programs-and-services/school-gardens/documents/7-Teosinte-Case-Study.pdf) |
|  | Dichotomous Key | [School Garden Dichotomous Key](https://extension.uga.edu/content/dam/extension/programs-and-services/school-gardens/documents/7-Dichotomous-Key.pdf)  [Wanted Poster](https://extension.uga.edu/content/dam/extension/programs-and-services/school-gardens/documents/7-Dichotomous-Key-Wanted-Poster.pdf) |
|  | Diversity of Living Organisms | [Classification](https://fergusonfoundation.org/hbf-kids-zone/classified-information/) |
|  | Genetics | [Parts of a Flower](https://extension.uga.edu/content/dam/extension/programs-and-services/school-gardens/documents/7-Parts-of-the-Flower.pdf)  [Plant Reproduction](https://extension.uga.edu/content/dam/extension/programs-and-services/school-gardens/documents/7-Plant-Reproduction.pdf)  [Sexual Propagation](https://extension.uga.edu/content/dam/extension/programs-and-services/school-gardens/documents/7-Sexual-Propagation.pdf) |
|  | Natural Selection | [Sweetness: The Taste of Apples](http://www.pbs.org/thebotanyofdesire/lesson-plan-sweetness.php)  [Beauty: Patterns in Nature](http://www.pbs.org/thebotanyofdesire/lesson-plan-beauty.php) |
|  | Structure of a Cell | [Bend a Carrot](https://extension.uga.edu/content/dam/extension/programs-and-services/school-gardens/documents/7-Structure-Function-Bend-a-Carrot.pdf) |
| 8th | Atomic Theory | [Nitrogen Management](https://extension.uga.edu/content/dam/extension/programs-and-services/school-gardens/documents/8-Nitrogen-Management.pdf)  [Plant Nutrients and Soil Samples](https://extension.uga.edu/content/dam/extension/programs-and-services/school-gardens/documents/8-Plant-Nutrients-and-Soil-Samples.pdf)  [Plant Nutrient Packet](https://extension.uga.edu/content/dam/extension/programs-and-services/school-gardens/documents/8-Plant-Nutrients-Packet.pdf) |
|  | Conceptual Laws | [Geotropism](https://extension.uga.edu/content/dam/extension/programs-and-services/school-gardens/documents/8-Geotropism.pdf) |
|  | Nature of Matter | [Physical and Chemical Change](https://extension.uga.edu/content/dam/extension/programs-and-services/school-gardens/documents/8-Physical-and-Chemical-Change.pdf) |
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