

Topic: Plants

Year: 1

Strand: Biology

What should I already know?

- Plants can grow.

What will I know by the end of the unit?

The names of some common garden plants

- People may grow **plants** in their **gardens** and care for them.
- They may grow **flowering plants** which are beautiful to look at or **beans** and **seeds** to grow **plants** for food.
- When **plants** are grown for food, this may be called a **herb garden** or **vegetable patch**.



vegetable patch



rose



poppy



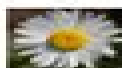
sunflower

The names of some common wild plants

- A **wild plant** will grow by itself.
- It **does not** need to be cared for.
- If it grows somewhere unwanted, it may be a **weed**.



dandelion



daisy



buttercup



nettle



clover

Deciduous and evergreen trees

- Deciduous trees** lose their **leaves** in the autumn every year. Their leaves are generally broad, flat and have veins running through them.
- Evergreen trees** have green leaves all year round. Their leaves are generally thick, waxy and narrow like needles.

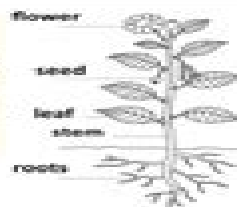


deciduous



evergreen

What are the parts of common trees and plants?



Vocabulary

branches	parts that grow out from the tree trunk and have leaves , flowers , or fruit growing on them
bulb	a root shaped like an onion that grows into a flower or plant
common	something that is found in large numbers or it happens often
deciduous	a tree that loses its leaves in the autumn every year
evergreen	a tree or bush which has green leaves all the year round
flower	the part of a plant which is often brightly coloured and grows at the end of a stem
flowering	trees or plants which produce flowers
fruit	something which grows on a tree or bush and which contains seeds or a stone covered by a substance that you can eat
garden	a piece of land next to a house, with flowers , vegetables , other plants , and often grass
herb	a plant whose leaves are used in cooking to add flavour to food, or as a medicine
leaf / leaves	the parts of a tree or plant that are flat, thin, and usually green
petal	thin coloured or white parts which form part of the flower
plant	a living thing that grows in the earth and has a stem , leaves , and roots
roots	the parts of a plant that grow under the ground
seed	the small, hard part from which a new plant grows
stem	the thin, upright part of a plant on which the flowers and leaves grow
tree	a tall plant that has a hard trunk , branches , and leaves
trunk	the large main stem from which the branches grow
vegetable	plants such as cabbages, potatoes, and onions which you can cook and eat
vegetation	plants , trees and flowers
weed	a wild plant that grows in garden and prevents the plants that you want from growing properly
wild	animals or plants that live or grow in natural surroundings and are not looked after by people

Investigate!

- Plant a bean or a seed and watch it grow. Record your observations in a diary.
- Go on a **wild plant** hunt! Create a **tally chart** to show how many of each **plant** you have found and then use the information to answer questions.
- Plant some **garden plants**, care for them and watch them grow.
- Go on a **tree** hunt around the Country Park - what types of **trees** can you see? Collect fallen **leaves** and identify which **tree** they came from using pictures to help you. Sort the **leaves** between **deciduous** and **evergreen** trees.
- Label the parts of a plant showing where the **leaves**, **flowers** (blossom), **petals**, **fruit**, **roots**, **bulb**, **seed**, **trunk**, **branches**, and **stems** are.

Plant Environments Lesson Plans First Grade

**Minneapolis Public Schools. Board of
Education**



Plant Environments Lesson Plans First Grade:

Resources for Teaching Elementary School Science National Science Resources Center of the National Academy of Sciences and the Smithsonian Institution, 1996-04-11 What activities might a teacher use to help children explore the life cycle of butterflies What does a science teacher need to conduct a leaf safari for students Where can children safely enjoy hands on experience with life in an estuary Selecting resources to teach elementary school science can be confusing and difficult but few decisions have greater impact on the effectiveness of science teaching Educators will find a wealth of information and expert guidance to meet this need in *Resources for Teaching Elementary School Science* A completely revised edition of the best selling resource guide *Science for Children* *Resources for Teachers* this new book is an annotated guide to hands on inquiry centered curriculum materials and sources of help in teaching science from kindergarten through sixth grade Companion volumes for middle and high school are planned The guide annotates about 350 curriculum packages describing the activities involved and what students learn Each annotation lists recommended grade levels accompanying materials and kits or suggested equipment and ordering information These 400 entries were reviewed by both educators and scientists to ensure that they are accurate and current and offer students the opportunity to Ask questions and find their own answers Experiment productively Develop patience persistence and confidence in their own ability to solve real problems The entries in the curriculum section are grouped by scientific area Life Science Earth Science Physical Science and Multidisciplinary and Applied Science and by type core materials supplementary materials and science activity books Additionally a section of references for teachers provides annotated listings of books about science and teaching directories and guides to science trade books and magazines that will help teachers enhance their students science education *Resources for Teaching Elementary School Science* also lists by region and state about 600 science centers museums and zoos where teachers can take students for interactive science experiences Annotations highlight almost 300 facilities that make significant efforts to help teachers Another section describes more than 100 organizations from which teachers can obtain more resources And a section on publishers and suppliers give names and addresses of sources for materials The guide will be invaluable to teachers principals administrators teacher trainers science curriculum specialists and advocates of hands on science teaching and it will be of interest to parent teacher organizations and parents *Resources in Education* ,2001-04

Research in Education ,1974 *Soil & Water Conservation News* ,1986 *Conservation Education and Outreach Techniques* Susan K. Jacobson, Mallory McDuff, Martha Monroe, 2015-09-03 The conservation of biological diversity depends on people s knowledge and actions This book presents the theory and practice for creating effective education and outreach programmes for conservation The authors describe an exciting array of techniques for enhancing school resources marketing environmental messages using social media developing partnerships for conservation and designing on site programmes for parks and community centres Vivid case studies from around the world illustrate techniques and describe planning

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Christopher,2019-04-23 Sow the seeds of science and wonder and inspire the next generation of Earth stewards The School Garden Curriculum offers a unique and comprehensive framework enabling students to grow their knowledge throughout the school year and build on it from kindergarten to eighth grade From seasonal garden activities to inquiry projects and science skill building children will develop organic gardening solutions a positive land ethic systems thinking and instincts for ecological stewardship The world needs young people to grow into strong scientifically literate environmental stewards Learning gardens are great places to build this knowledge yet until now there has been a lack of a multi grade curriculum for school wide teaching aimed at fostering a connection with the Earth The book offers A complete K 8 school wide framework Over 200 engaging weekly lesson plans ready to share Place based activities immersive learning and hands on activities Integration of science critical thinking permaculture and life skills Links to Next Generation Science Standards Further resources and information sources A model and guide for all educators The School Garden Curriculum is the complete package for any school wishing to use ecosystem perspectives science and permaculture to connect children to positive land ethics personal responsibility and wonder while building vital lifelong skills AWARDS FINALIST 2019 Foreword INDIES Education **Plants in the Classroom** Christopher Meade Hastings,1999 **Resources for Teaching Middle School Science** Smithsonian Institution,National Academy of Engineering,National Science Resources Center of the National Academy of Sciences,Institute of Medicine,1998-04-30 With age appropriate inquiry centered curriculum materials and sound teaching practices middle school science can capture the interest and energy of adolescent students and expand their understanding of the world around them Resources for Teaching Middle School Science developed by the National Science Resources Center NSRC is a valuable tool for identifying and selecting effective science curriculum materials that will engage students in grades 6 through 8 The volume describes more than 400 curriculum titles that are aligned with the National Science Education Standards This completely new guide follows on the success of Resources for Teaching Elementary School Science the first in the NSRC series of annotated guides to hands on inquiry centered curriculum materials and other resources for science teachers The curriculum materials in the new guide are grouped in five chapters by scientific area Physical Science Life Science Environmental Science Earth and Space Science and Multidisciplinary and

Applied Science They are also grouped by type core materials supplementary units and science activity books Each annotation of curriculum material includes a recommended grade level a description of the activities involved and of what students can be expected to learn a list of accompanying materials a reading level and ordering information The curriculum materials included in this book were selected by panels of teachers and scientists using evaluation criteria developed for the guide The criteria reflect and incorporate goals and principles of the National Science Education Standards The annotations designate the specific content standards on which these curriculum pieces focus In addition to the curriculum chapters the guide contains six chapters of diverse resources that are directly relevant to middle school science Among these is a chapter on educational software and multimedia programs chapters on books about science and teaching directories and guides to science trade books and periodicals for teachers and students Another section features institutional resources One chapter lists about 600 science centers museums and zoos where teachers can take middle school students for interactive science experiences Another chapter describes nearly 140 professional associations and U S government agencies that offer resources and assistance Authoritative extensive and thoroughly indexed and the only guide of its kind Resources for Teaching Middle School Science will be the most used book on the shelf for science teachers school administrators teacher trainers science curriculum specialists advocates of hands on science teaching and concerned parents

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