



## Seed to Seed Study Lessons

### Websites

#### [One... Two... Three... Grow!](#)

Can you beat the clock and match-up the animal life stages before your time runs out? In this game children move three small pictures to make a big, whole picture. The big picture shows an animal at a different stage in its life, from a little baby to a fully grown adult.

( <http://www.arkive.org/education/games/one-two-three-grow> )

#### [Cycles of Life](#)

Children can click and drag pictures into the correct order of their lifecycles using this interactive website.

( [http://teams.lacoe.edu/documentation/classrooms/judi/life/activities/cycles/life\\_cycles.html](http://teams.lacoe.edu/documentation/classrooms/judi/life/activities/cycles/life_cycles.html) )

#### [KidsKonnnect.com – Life Cycles](#)

This website offers background information on life cycles as well as links to various life cycle resources.

( <http://www.kidskonnnect.com/subject-index/15-science/87-life-cycles.html> )

#### [ARKive Education](#)

ARKive's free fun-packed teaching resources cover a range of key science and biology subjects including: adaptation, food chains, Darwin and natural selection, classification, identification, conservation and biodiversity.

( <http://www.arkive.org/education/resources> )

#### [Corpse Flower](#) and ["Corpse plant" draws crowds to U.S. Botanic Garden](#)

These two articles are about U.S. specimens of the "corpse flower" (Titan Arum). In its native Sumatra, the flower can reach 12 feet and blooms every five years. The flower attracts pollinators with its fragrance of rotting flesh. In the United States, the rare-blooming flowers draw crowds.

( <http://community.seattletimes.nwsourc.com/archive/?date=20060815&slug=here15m> )

( <http://community.seattletimes.nwsourc.com/archive/?date=20051121&slug=stinky21> )



### [Flower Photos](#)

If you are looking for photos of flowers, visit this web site from the University of Hawaii Botany Department. After you select the name of a plant family, you receive information and thumbnail photo images for all of its members. Click on the thumbnail image, and you will get a beautiful, full-sized photo.

( <http://www.botany.hawaii.edu/faculty/carr/fpfamilies.htm> )

### [Kid's Valley Garden](#)

This link provides information on planning a garden, when to plant seeds, how to keep plants healthy, how to enter flowers into competitions, and much more. It is a visually appealing site with lots of useful information.

( <http://www.typodermic.com/garden/> )

### [Life Cycles of Plants](#)

The Missouri Botanical Garden offers a kid-friendly web site that focuses on the life cycles of plants. It includes full color photos and drawings that illustrate the parts of a flower, descriptions of how bees pollinate flowers, and lyrics to a song, "How Do Plants Pollinate," sung to the tune of "This Land is Your Land." (Print the words, and sing it with your class!)

( <http://www.mbgnet.net/bioplants/> )



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### Books

#### Life Cycles: General

##### **If My Mom Were a Platypus: Animal Babies and Their Mothers**

By Dia L. Michels; illustrated by Andrew Barthelmes. (2005, Platypus Media)

With one chapter devoted to each of 14 different mammals, this book tells about how each featured species is born, eats, grows, learns, and matures. Each chapter is told from the point of view of the baby mammal and is filled with fascinating facts.

##### **Life Cycles of a Dozen Diverse Creatures**

By Paul Fleisher. (1998, Millbrook Press)

Compares and contrasts the life cycles of twelve animals, including the opossum, bullfrog, and jellyfish. This book might be too advanced for some second graders to read by themselves, but works well when read aloud to the class.

##### **Lifetimes**

By David L. Rice; illustrated by Michael S. Maydak. (1997, Dawn Publications)

Introduces some of nature's longest, shortest, and most unusual life cycles.

##### **What Is a Life Cycle? (Science of Living Things)**

By Bobby Kalman and Jacqueline Langille. (1998, Crabtree)

Introduces the life cycles of plants, insects, amphibians, reptiles, fish, birds, mammals, and humans, and discusses their birth, growth, parental care, and reproduction.



## **Seed to Seed**

### **Flowers (Eyewitness Explorers)**

By David Burnie. (1996, Dorling Kindersley)

Describes the physical characteristics and life cycles of flowers, including garden flowers, woodland flowers, and desert flowers. Offers clear photographs of flowers and their environments.

### **From Seed to Plant**

By Gail Gibbons. (1993, Holiday House)

Starts by explaining that seeds are different shapes, sizes and colors, and all grow into the same kind of plant that made them. Describes the parts of flowers, and the various ways seeds disperse.

### **How a Plant Grows (Crabapples)**

By Bobby Kalman. (1996, Crabtree Publishing)

A clear introduction to the life cycle of plants, illustrated with color photographs. Cross-sectional views show a bean plant's roots developing as its leaves and stems grow above the surface.

### **How a Seed Grows (Let's Read-and-Find-Out Science, Stage 1)**

By Helene J. Jordan. (1992, Harper Collins)

An appropriate guide for young children on how to grow and care for newly planted seeds.

### **The Magic School Bus: Inside a Bee Hive**

By Joanna Cole; illustrated by Bruce Degen. (1998, Scholastic)

It's a perfect spring day and Ms. Frizzle decides it's time to observe honeybees. The children become bees and learn what they need to do to survive and get along with real bees.

### **The Magic School Bus Plants Seeds: A Book about How Living Things Grow**

By Joanna Cole. (1995, Scholastic)

The class decides to plant a garden, and Ms. Frizzle takes them on a zany trip back to Phoebe's old school where they learn about the life cycles of plants and how living things grow.



### **One Bean**

By Anne Rockwell; illustrated by Megan Halsey. (1999, Walker & Co.)

Starting with a hand showing a single bean, this book journeys full circle from soaking, planting, and watering beans, to flowering, harvesting, and eating them.

### **Plants and Flowers (It's Science)**

By Sally Hewitt. (2002, Franklin Watts)

Discusses the elements that make plants grow, the structure of flowering plants, and the way they reproduce. Includes experiments and activities.

### **The Reason for a Flower (World of Nature)**

By Ruth Heller. (1999, Penguin Putnam)

Brief rhyming text and lavish illustrations clearly explain pollination, plant reproduction, and the purpose of a flower.

### **Spring Sprouts**

By Judy Delton; illustrated by Alan Tiegreen. (2009, Random House)

One of a series of stories about the Pee Wee Scouts, this chapter book is appropriate for confident second grade readers. The Pee Wee Scouts are learning about gardens and the vitamins and nutrition in vegetables. They plant seeds and watch very carefully to see which sprouts first.