

Charlotte's Web

Science

Food Web

Grow a food web. Make a list of all the animals in your area that you observe in a week. Then use those animals to make a food web. Start with a food chain and add animals, connecting them to all the different prey and predators they have. If you aren't spotting enough animals in your neighborhood, either cut animals out of magazines or download pictures of college mascots for a fun and festive web.

Who Am I?

Make a board game using animal facts. Check out books or use the Internet to find facts about different animals. Try to find unusual animals as well as common pets. Then create a list of clues about each animal. Get friends and family to try and guess what the animal is from your clues. The fewer clues they need, the more spaces they use. Use a board game you already have as the base, or make your own decorating with images from the book.

Technology

Down on the Farm

Visit <http://www.scholastic.com/charlottesweb/> to make a comic book, play a game, see snapshots from the movie, check out spiders, learn about E.B. White; meet the actress that plays Fern, and more!

Engineering

Map Making

Engineers need to understand the layout of the world around them. Traffic engineers spend time analyzing how traffic moves and ways to build new roads. Map skills are an important part of some engineering jobs. Make a map of the farm using clues from the book. Love cartography? Extend the map to include the town and state fair.

Art

Spider Web

Spider webs are unique and often very symmetrical. Observe spider webs in your yard or search for webs online. Use a black piece of paper and draw web using plain school glue. The web will dry and be nearly see-through like a real spider web. Add glitter while the web is wet for a shiny look, and hide messages in your drawing just like Charlotte.

Cover Story

The cover for *Charlotte's Web* is a famous illustration. What if you were going to make a new, modern cover for the book? Research the parts of a book that are usually displayed on the cover, then measure, cut, and create a new dust jacket for Charlotte.

Math

Plot Points

Use a Cartesian Plane as a background. Draw a simple design, such as a spider, web, or pig on the plane and be sure to draw through the intersections on the grid. Then plot the ordered pairs where the lines meet on the grid. Make a list of ordered pairs in order, then give a blank coordinate grid to a friend or family member to see if they can follow your points to make their own image.

Recommended Resources

StudyJams Food Web: <http://studyjams.scholastic.com/studyjams/jams/science/ecosystems/food-webs.htm>

StudyJams Ordered Pairs: <http://studyjams.scholastic.com/studyjams/jams/math/algebra/ordered-pairs.htm>

Classify Insects: <http://teacher.scholastic.com/activities/explorations/bug/index.htm>

Math Hunt Creepy Crawlies: <http://teacher.scholastic.com/mathhunt/StartGame.asp?QuizID=17>

Create a Book Cover: <http://www.readwritethink.org/files/resources/interactives/bookcover/>

Dirtmeister's Animal Adaptations: <http://teacher.scholastic.com/dirtrep/animal/index.htm>

Author E. B. White: <http://www.scholastic.com/teachers/contributor/e-b-white>