

WORLD OF WORK – FIFTH GRADE
IMC Resources

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Horticulturalist

Flower anatomy (Realia) [35012]

Diagram of a dissected yucca flower showing orientation of parts. Parts are mounted in an "exploded" position, showing the alternation of parts from one whorl to the next. (7 3/4"x 9 3/4")

Kate Sessions (Kit) [50480]

Introduces local San Diego history through Kate Sessions and her contribution to San Diego and Balboa Park. Contains five (5) historical photographs, two (2) books and one (1) The gardens of Balboa Park map. THE TREE LADY: THE TRUE STORY OF HOW ONE TREE-LOVING WOMAN CHANGED A CITY FOREVER, by Joseph Hopkins: Tells the true story of Katherine Olivia Sessions, the first woman to graduate from the University of California with a degree in science, who brought trees to San Diego and helped create what eventually became Balboa Park. Nominated for 2015-2016 California Young Reader Medal in the "picture book for older readers" category. (RL 4.5; 760 Lexile) KATE SESSIONS: THE MOTHER OF BALBOA PARK, by Joy Raab Charming: Illustrations and simple text allows readers young and old to appreciate a woman instrumental in the development of one of the world's great urban parks. Includes maps and drawing of trees that Kate Sessions introduced that can be seen today in Balboa Park. Contains: 2 books / 5 photographs (11x14) / 1 map / 1 teacher's guide for book: The tree lady.

Leaf morphology (Realia) [35005]

Five specimens encased in plastic -- one monocot and four dicots --illustrating parallel, pinnate and palmate venation. Two compound leaves (pinnate and palmate) included. (4 3/4"x 7 3/4")

Root systems (Realia) [35003]

our labeled specimens of fibrous, tap, nodular and adventitious root systems enclosed in plastic. (4 3/4"x 7 3/4")

Skeletonized leaf for venation (Realia) [35006]

Preparation of a magnolia leaf, stained to show network of veins. Actual specimen encased in plastic. (3 3/4"x 4 3/4")

Stem types (Realia) [35004]

Six labeled specimens encased in plastic: willow, oak, elm, maple, horse chestnut and catalpa. (4 3/4"x 7 3/4")

Climate Change Analyst

California: California's climate change impact (DVD) [81163]

Looks at the effects of climate change on California's water supply, ecosystems, and cities, and examines what is being done to reduce the state's carbon footprint. Includes maps, timeline, and teacher's guide. 30 min.

Climates (English/Spanish) (DVD) [81184]

Bill Nye the Science Guy delivers hot sand from Saudi Arabia and bananas from humid Costa Rica, all to explain how different climates are created and how they affect our planet. He travels to the woods to learn about past climates by studying core samples from ancient trees. Viewers learn what "climate" is and why the atmosphere contains water. Includes interactive glossaries and quizzes and an on-disk teacher's guide. 26 min.

Global climate change (English/Spanish) (DVD) [81103]

Teaches that both natural and human activity have played a role in climate change. Learn how climate data is collected, understand the greenhouse effect, and discover some unexpected sources of greenhouse gases. Includes expert views on the potential effects of global warming, from relatively mild changes in the weather to more extreme scenarios. 23 min.

Reporter

Analyzing nonfiction (English/Spanish) (DVD) [81118]

Explores nonfiction, from primary and secondary sources to a survey of the many different types of nonfiction writing. Students will learn that an awareness of common features and formats is helpful when looking for specific information. They will also learn that there are a variety of factors to consider when evaluating a work of nonfiction, such as the author's purpose and if the information provided is accurate, verifiable, and up-to-date. 23 min.

Writing strategies (DVD) [81121]

Marko the Pencil improves writing skills with strategies for developing a hook, organizing sentences, using transitional phrases, writing dialogue, and much more. Also covers proofreading and multiple-choice tests. 70 min.

Dietitian

Eat right for a long and health life (DVD) [81099]

Topics such as calories, food groups, fats, reading food labels, and the food pyramid are presented in easy-to-understand language and reinforced with graphics and real-life examples. Nine 8-15 minute lessons include: What healthy eating really is; Calories and metabolism; Food groups and nutrients; Healthy and unhealthy fats; Decoding food labels; Optimum serving sizes; Water and why it's important; The role of digestion; The activity pyramid and daily exercise. 102 min.

Health and nutrition (English/Spanish) (DVD) [81075]

Students learn that what we eat is critical to our overall health, from our cells to our senses to how we feel. Includes a complete breakdown of essential nutrients, the concept of a balanced diet, a presentation of the Food Guide Pyramid, and a segment on the importance of exercise. 23 min.

The new food pyramid: it's all about you (DVD) [81020]

Presents an introduction to the new food pyramid, introduced in 2005 by the United States Department of Agriculture, and explains how it can be used to make healthy choices, control weight, and fight obesity. 23 min.

Nutrition and the new food pyramid (DVD) [81063]

Teaches why good nutrition is important; what proteins, carbohydrates, fibers, minerals, vitamins, and fats do for the body; and how to make the right food choices. Shows how to use the food guide My Pyramid. 18 min.

Obesity in a bottle: understanding liquid calories and nutrition (DVD) [81062]

Looks at beverages as a factor in the growing obesity problem, discussing the effects of beverages on weight gain, the nutritional value and calorie content of various drinks, and the benefits of drinking water. Includes worksheets with suggested activities, answer keys, and nutritional information. 21 min.

Portion distortion: seeing the healthy way to eat (DVD) [81076]

Focuses on the issue of portion control and teaches children how to choose the right portions for their body type and metabolism. Demonstrates how to properly measure food portions and emphasizes checking food labels. 20 min.

Cosmetologist

Theme Park Engineer

Gravity (DVD) [81169]

Disney engineers explain that one of the biggest challenges in designing roller coasters is figuring out the best way to work with, and against, gravity. Viewers learn to define gravity and explain the relationship between gravity, mass, and distance. They also understand forces that give a feeling of weightlessness on a roller coaster ride. Includes try-it-yourself experiments, an interactive assessment to reinforce key concepts, and downloadable teacher's guide. 25 min.

Learning Intentions

My best me: all about self-esteem (DVD) [81028]

Helps students develop confidence and a sense of self-worth by illustrating the value of recognizing personal strengths, trying one's best, embracing differences, and choosing positive friends. Includes teacher's guide with student activities. 13 min.