

**WORLD OF WORK EIGHTH GRADE**  
IMC Resources

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**Environmental Engineering Technician**

**Air quality** (English/Spanish) (DVD) [81107]

Examines primary and secondary sources of air pollution, how the air quality is monitored by government agencies, and the factors that contribute to smog. 23 min.

(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.

**Core biology: environmental science** (DVD) [81065]

Presents the core principles of environmental sciences by examining, in chronological order, the development of the concepts of biomes, ecology, ecosystems, and biodiversity. Program segments: 1920 - Biomes; 1928 - Theory of plant succession; 1949 - Ecology; 1953 - Ecosystems; 1957 - Ecology's concept of niche; 1969 - Five kingdoms of life; 1979 - Gaia hypothesis; 1986 - Biodiversity. 30 min.

**Soil quality** (English/Spanish) (DVD) [81106]

Although soil may seem plentiful, it can be polluted and depleted by natural and human activities. Examines the sources of soil pollution and some of the efforts taken to prevent it. 23 min.

**Sustainability in the 21<sup>st</sup> century** (English/Spanish) (DVD) [81104]

Sustainability refers to the capacity to provide for the needs of the world's current population without harming the ability of future generations to provide for themselves. Explore some of the challenges and successes of sustainability, consider some factors that can affect sustainability, and observe sustainability in action.

**Water quality** (English/Spanish) (DVD) [81105]

Explores what happens when the supply of available fresh water is overused, polluted, or

**Wind Energy Project Manager**

**Green energy** (English/Spanish) (DVD) [81096]

**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-

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

## Learning Intentions