



San Francisco Opera's Donizetti's *DON PASQUALE*

Curriculum Connections California Content Standards Kindergarten through Grade 12

SCIENCE

The principals of science used in Don Pasquale.

THE FIVE SENSES: Sight, sound, touch, taste, and smell.

If we take away sight, what do we get just from aural perception?

If we take away sound, what do we get just from visual perception?

PARTS OF THE BODY: Identification of body parts important to performing.
Ex. Diaphragm, larynx, throat, mouth, etc.

The physicality of singing – How do the parts of the body work together while singing? Breathing and patter songs

LIFE SCIENCE

The science of aging

The neurological benefits of laughter.

Physical responses to love and hate.

THE ELEMENTS

Fire, Water, Earth, Metal, Air, Wood.

PHYSICS

Sound: Voice, Instruments, Acoustics, Amplification, Recording.

Concepts of Gravity, Time & Space.

Define mass, weigh, force and load.

How might one temporarily hang an object from the ceiling?

ACTIVITIES

Study dynamics of sound waves. Do high or low voices project more? Graph sound waves.

Explore the weight and strength of different materials. What kinds of materials are used in set design?