



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

### Curriculum Connections California Content Standards Kindergarten through Grade 12

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#### MATHEMATICS

What kind of expenses are associated with becoming a notary? (California Notaries are required to obtain a \$15,000 Notary Public Bond, Seal and Journal.)

- What is the cost of notary services?
- How much money might one make as a notary?
- Graph the profits for a notary.

How might Ernesto's annual sum from Don Pasquale be calculated with today's economy.

What kind of housekeeping expenses would show up on Sofronia's budget to hire the staff.

Calculate the costs of running a household.

#### MEASUREMENT:

*Don Pasquale's Use of Standard Units of Measurement in Story & Set Design.*

Create a timeline of Donizetti's life and operatic works.

2D & 3D Dimensions: Area, Perimeter, Volume, Scale, Proportion, Ratio.

Weight: Physical, Metaphorical, Balance.

Time: Passage of time (real & theatrical time), times of day (morning, afternoon and night; yesterday, today, tomorrow; time of everyday events such as dinner & bed time), estimation, reading time, age of characters. Opera takes place over the course of two days.

#### GEOMETRY

*As found in Don Pasquale's character, costume & set design.*

Identification of Shapes, Repetition & Pattern of sets, Rhythm & Symmetry.

Create patterns with elixir bottles.

Shape, perimeter, area of gazebo.

Planes (Square, Rectangle, Triangle, Circle) & 3D (Cube, Pyramid, Sphere). Positive & Negative Space, Interior & Exterior Space.

## NUMBER SENSE

*Counting using the production elements and music of Don Pasquale.*

Formulas & calculations: Addition, subtraction, multiplication, division.

More, less, or same as.

Concept of zero (absences, disappearances). Ex. rests/silence in music.

Ordering & sequencing.

Recognizing and creating numerical patterns. Ex. beats, ABA pattern in music.

Survey taking: tallying and graphing.

Predictions.

How many marriage combinations can you make with the characters presented?

Budget – how do you balance the budget, is Norina breaking the budget?

## ACTIVITIES

Timing of patter singing. Have a patter-off.

Time signatures of patter song vs. Ernesto's ballad.

Recite the alphabet with timers

Blocks of music – How would these translate into physical LEGO structures?

Create set plans that measure the angles of the room and map the different placement of the furniture (rotating)

Create a scale model of set. How would you go about creating a topsy-turvy, upside-down set? What challenges might you encounter? What solutions do you propose?