

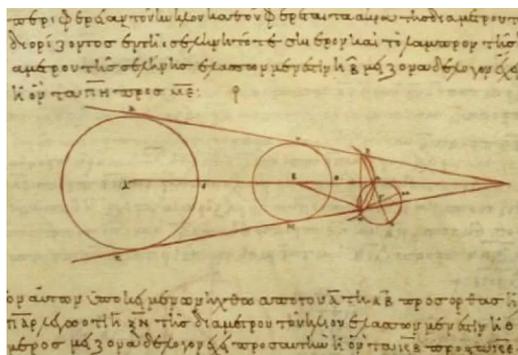


# RALSTON COLLEGE

## DECODING LANGUAGE

### WHAT PATTERNS DO ANCIENT GREEK AND GEOMETRY SHARE?

As logical systems of thought, language and mathematics have much in common. After wrestling with a few brain-teasers, students will learn about Ancient Greek grammar as an innovative development as well as the Greek contribution to the development of geometry. In light of that background information, we'll return to the brain-teasers and examine them more deeply. Then students will be prompted to engage in an open discussion exploring how the patterns shared by language and mathematics might be applied to the process of learning any discipline.



- 40 minutes
- Recommended for ages 16+

### LESSON PLAN

- Settle in and self-introductions (5 minutes)
- Opening brain-teasers connecting grammar and math (5 minutes)
- Historical context: Greek development of grammar and geometry (10 minutes)
- Revisit opening brain-teasers (5 minutes)
- Open up group Socratic discussion: Now that we've seen how separate areas of study share overarching patterns, how might we apply this observation to our experience as students? First students will turn to a neighbor and discuss for a few minutes, then we'll come together and discuss as a group. (10 minutes)
- Close with a call to action: try exploring subjects that might not immediately interest you and look for overarching patterns of truth (5 minutes)