

# Engineering Ethics Through High-Impact Collaborative/Competitive Scenarios (E-ETHICCS)

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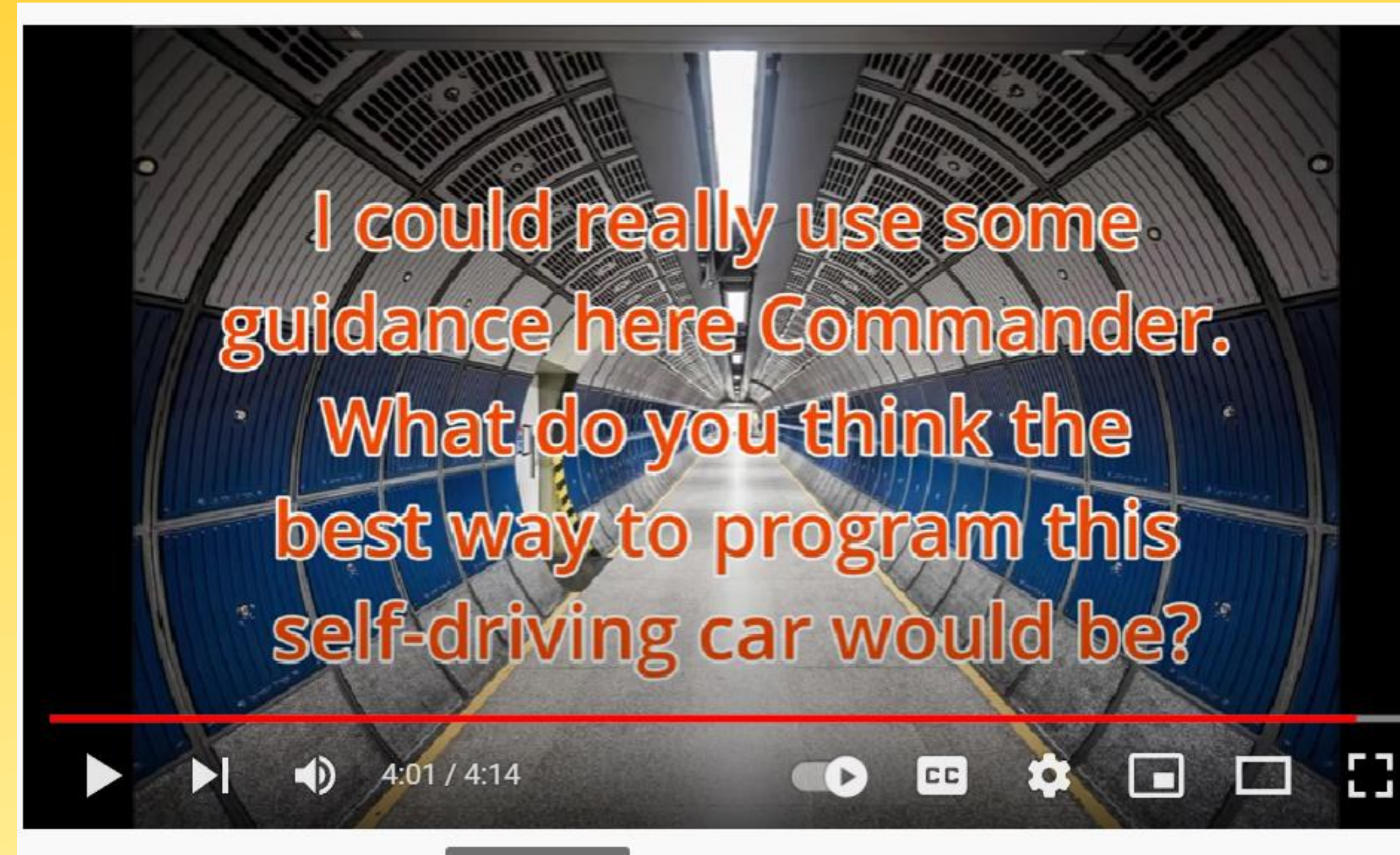
Scott Streiner, University of Pittsburgh

Richard Cimino, NJIT

Daniel Burkey, Jennifer Pascal and Michael Young, University of Connecticut

## Three games for First Year Engineering Students

### Mars: An Ethical Expedition

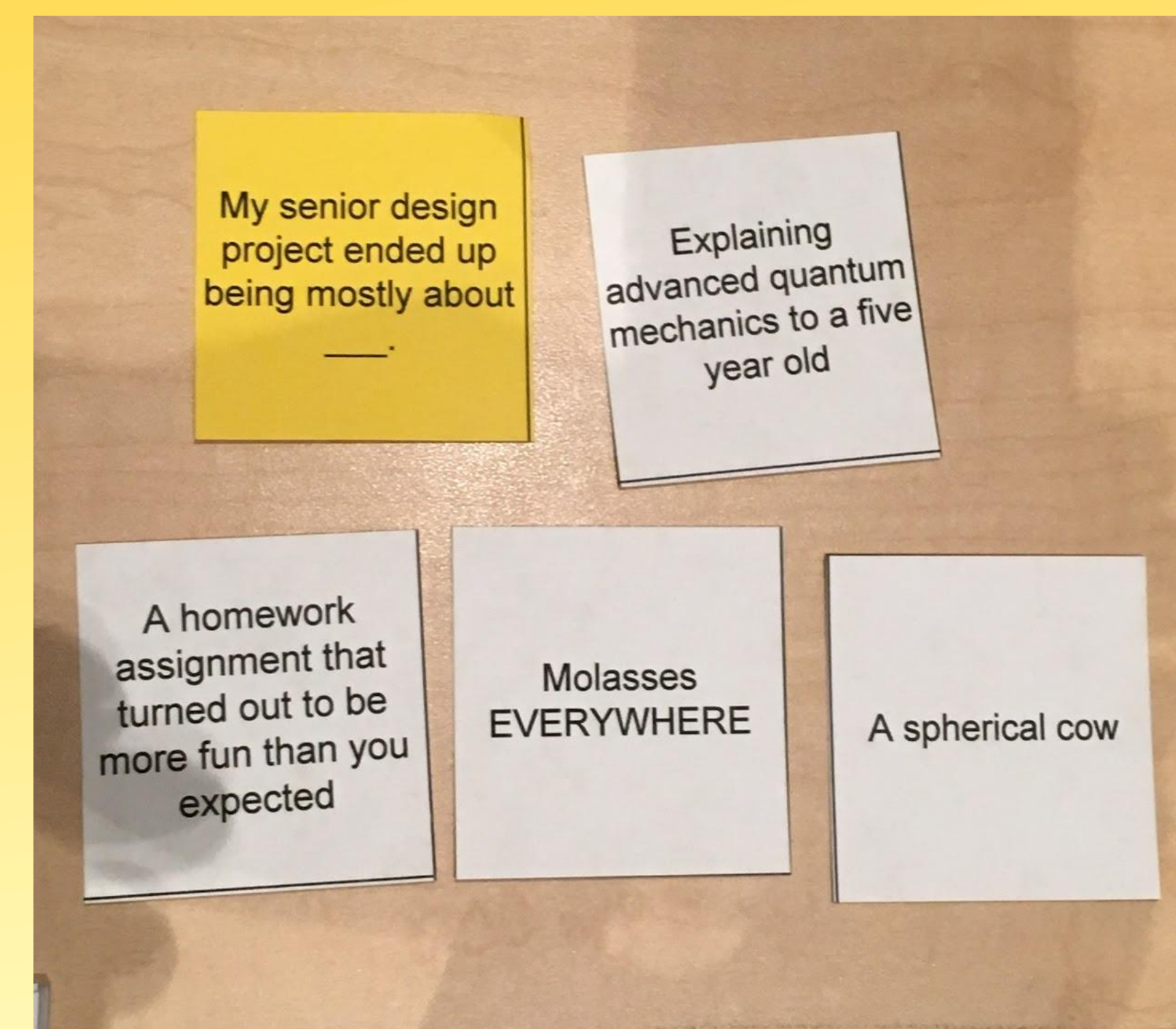


Semester-long story arc. One dilemma per week presented through narrated audio.

Research Questions: How do first year engineering students approach ethical decision-making? How do game-based interventions impact their approach?

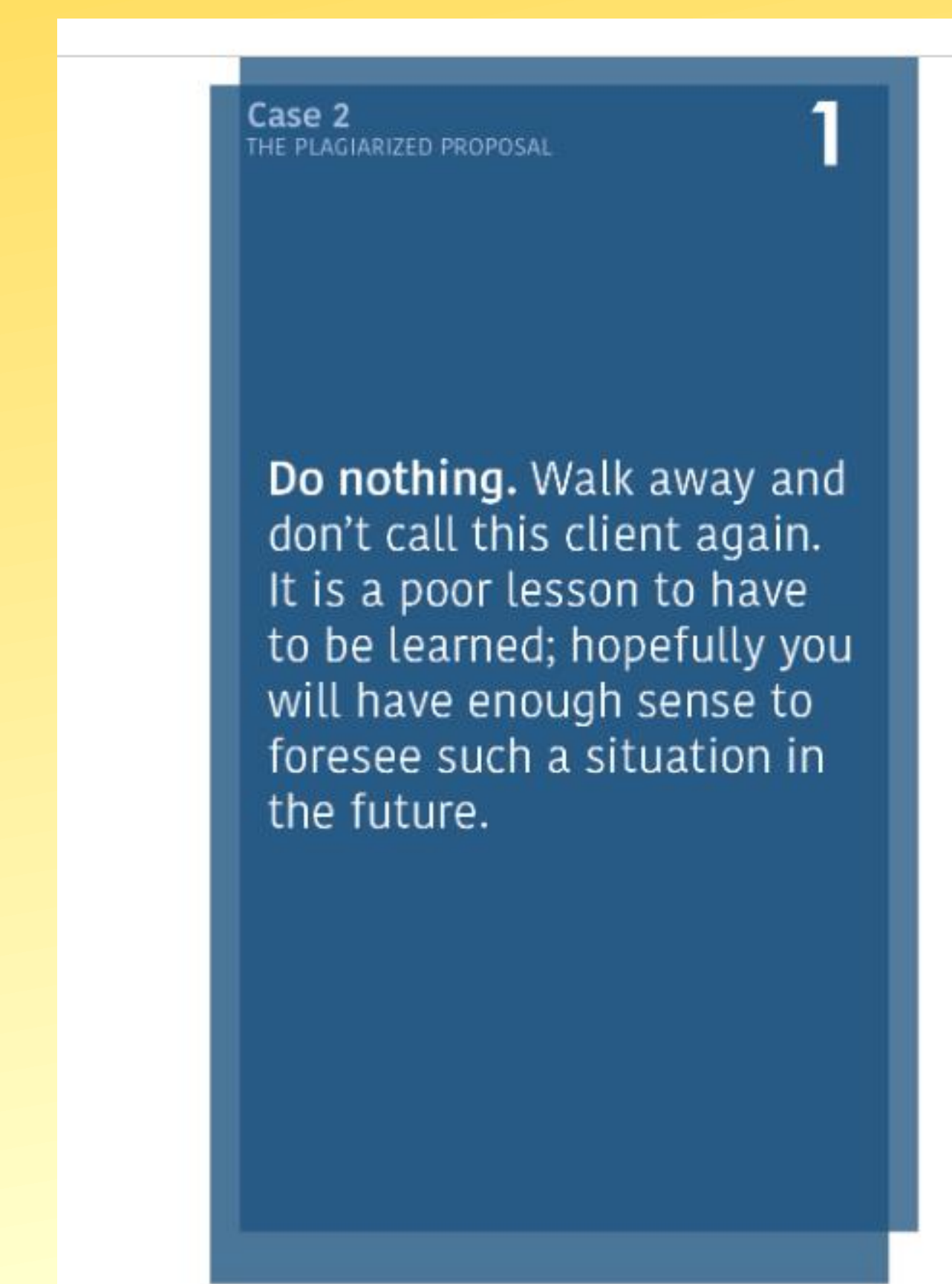
Assessment Instruments: DIT2 and EERI Surveys, Concept Maps, Think Aloud Interviews

### Cards Against Engineering Ethics

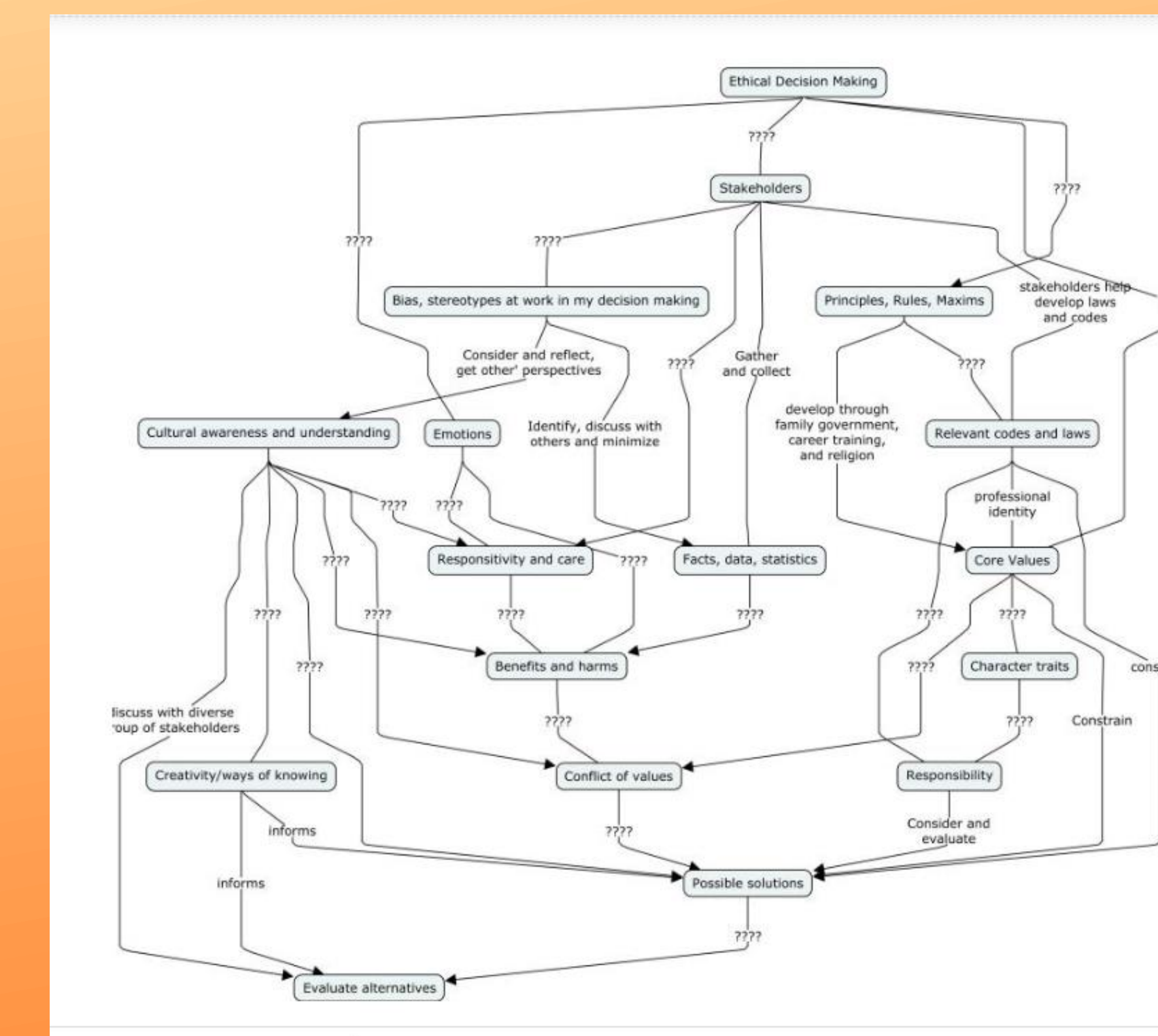


Cards Against Humanity® inspired game playable online or in person.

### Toxic Workplaces



Students are presented with scenarios and rank possible responses



### ACKNOWLEDGEMENTS

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