



## Cogno Board Games' Alignment with the National Council of Teachers of Mathematics Standards

The National Council of Teachers of Mathematics is a public voice of mathematics education, providing vision, leadership and professional development to support teachers in ensuring equitable mathematics learning of the highest quality for all students.

### Highlighting Key

Indicates a significant amount of material addresses the standard

Indicates a moderate amount of material is present to develop student understanding of the standard

#### Problem Solving Standards for Prekindergarten through grade 12

- build new mathematical knowledge through problem solving;
- solve problems that arise in mathematics and in other contexts;
- apply and adapt a variety of appropriate strategies to solve problems;
- monitor and reflect on the process of mathematical problem solving.

#### Communication Standard for Prekindergarten through grade 12

- organize and consolidate their mathematical thinking through communication;
- communicate their mathematical thinking coherently and clearly to peers, teachers, and others;
- analyze and evaluate the mathematical thinking and strategies of others;
- use the language of mathematics to express mathematical ideas precisely.

#### Connections Standard for Prekindergarten through grade 12

- recognize and apply mathematics in contexts outside of mathematics.

#### Representation Standard for Prekindergarten through grade 12

- create and use representations to organize, record, and communicate mathematical ideas;
- select, apply, and translate among mathematical representations to solve problems;
- use representations to model and interpret physical, social, and mathematical phenomena.

#### Data Analysis and Probability Standard for Prekindergarten through grade 12

- develop and evaluate inferences and predictions that are based on data
- propose and justify conclusions and predictions that are based on data and design studies to further investigate the conclusions or predictions.