

BEYOND RUBIK'S CUBE

Have students consider the following questions as they explore the exhibition, answers can be found in the Educators Guide on the exhibition website, along with other resources to extend student learning back in the classroom.
URL: beyondrubikscube.com

- 1 Where did Rubik's Cube come from?
- 2 Why has Rubik's Cube inspired so many divergent uses beyond the original puzzle?
- 3 What's special about solving Rubik's Cube?
- 4 What's special about Rubik's Cube's engineering and design?
- 5 Why is play important?
- 6 What is a puzzle?
- 7 What is an algorithm and how is it related to Rubik's Cube?

Beyond Rubik's Cube celebrates the innovations and insights inspired by 40 years of playing with the world's most popular puzzle. Here your students can explore the principles of math and design underlying the Cube's invention; discover how playing with a brainteaser like the Cube calls on different components of human intelligence; and consider how the cube has inspired artists, engineers and other creative innovators.



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Students can be exposed to the following content and process standards within this exhibition:

Next Generation Science Standards: CC.1 Patterns, CC.6 Structure and Function, ETS1.1-4, SEP.1-5, STS.2

Common Core State Standards for Mathematics: MP.1, MP.2, MP.7, K-5.G

International Society for Technology in Education: Student Standards: 1.b, 1.c, 2.a, 4.d

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