## TOPIC: MIIRRORS



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## COMMON VIEW



Reflection on a mirror is an easy activity to perform with students extremely rich in mathematical meaning. The symmetry concept that comes naturally out of a mirror reflection can be easily applied in geometry, science, and art. Looking for symmetry axes in geometrical shapes, living organisms, and architectural structures of buildings is a valuable educational activity for middle school students.

Mirror symmetry is also a fascinating topic in the field of theoretical physics. Students can therefore carry out simple reflection experiments, thinking that the symmetry concept is fundamental in science.

"The importance of mirror-reflection symmetry to our perception and aesthetic appreciation, to the mathematical theory of symmetries, to the laws of physics, and to science in general, cannot be overemphasized, and I will return to it several times."

Mario Livio


