

# Low-Cost Experiments in STEM Education

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## Educational Math Visit To Art Museum

The students (15 years old) were given a questionnaire for the museum visit, and they searched for the answers in the artworks. During the following mathematics lessons at school, the students worked on math problems that required information gathered during the museum visit. The tasks covered several different areas of mathematics. The aim was to review everything learned up to that point.



Example questions:

1. You forget the code to your locker. What is the probability of guessing the correct code on your first attempt?
2. Estimate the length and width of the painting. What percentage was your estimate greater or smaller?

