



## **Maths in the City**

### **Outdoor City Game – Maths in the City, Plovdiv - the historical part of the city, Bulgaria**

**Case study:** Searching and solving Maths problems connected to landmarks and sightseeing

**Materials:** worksheet, pen, instructions

#### **Aims:**

1. To link the tourist hotspots in the City of Plovdiv to Maths
2. To solve Maths problems
3. To get definitions to Maths terms
4. To connect Maths to Engineering
5. To inspire learning Maths at school
6. To learn about various landmarks and attraction in the city of Plovdiv
7. To visit tourist places and share cultural values
8. To integrate knowledge from history, culture and Maths with researching skills by using English
9. To integrate the youths from different countries and develop pair work
10. To enhance critical thinking

**Subjects:** Maths, English, History, Civic education

**Duration:** 2 hours

#### **Instructions:**

1. Form pairs with a Bulgarian student and a foreign one – Italian or Cypriot.
2. Give the materials and the instructions to each pair. Each pair gets a worksheet and a pen.

#### **Notes:**

Students have different ways of looking for information – asking tour guides, searching the Internet, asking maths teachers, using travel guides, reference books and etc.

Some of the problems are not realistic; it develops thinking “out of the box” and evolves critical thinking