

WORKSHEET 4

MOBILITY AND WAYS OF TRANSPORT

OBJECTIVES

- Learn to differentiate the different kinds of ways that we find in the city.
- Use measuring equipment
- Encourage group cooperation

EQUIPMENT

- counter
- stopwatch
- camera

INTRODUCTION

A city has different types of urban ways according to the means of transport, services and activity of the population. Now we'll continue studying the ways of transport that are around our school but paying a special attention to the different means of transport and pedestrians that walk about. The three streets are: Gran Via, Casp and Pau Claris.

Urban ways may be:

- pedestrian roads, where vehicles aren't allowed
- low traffic roads, less than 60 vehicles per hour
- moderate traffic roads, less than 200 vehicles per hour
- busy roads, more than 200 vehicles every hour
- fast ways, speed limit over 50 Km/h

PROCEDURE

You will have to calculate the number of vehicles that pass by a concrete way per time unity.

You will place yourself in the street sidewalk and count the following for ten minutes (street lights time included):

- one student of the group will count the amount of cars, taxis and motorbikes that are passing along the street.
- The other one will count how many buses and taxis are running, in the same ten minutes.
- Write down the results in the chart at the end of the worksheet.

Afterwards, you will do the same experiment but now calculating the number of pedestrians and bicycles. Also write down the results in the chart. You must follow the same procedure in the two other streets that we are studying.

Finally, take a picture of the different vehicles, taxis, pedestrians, cars, buses and motorbikes. Don't forget to complete your chart.

	Cars	Buses	Taxis	Bikes	Pedestrians	Polluting trips	Non-polluting trips
Casp							
Gran Via							
Pau Claris							

Questions:

- Have you realised the number of passengers each car has?
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- What kind of ways do we find around our city?
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- Write a short conclusion with the results you've got.

