

Statistics – Grade 8

Grade Level(s)

8-10

Subject Area(s)

Mathematics

Links to Vancouver 2010 Education Program Component(s)

Olympism

Activity Description

Students ask a sample of 20 individuals to indicate how they expect to follow the Olympic Games (listening or viewing media reports or viewing events live or even with tickets to attend an event). Then, based on the data gathered, students will perform a statistical analysis. Those results will be presented in the form of a graph made using the Pages or Numbers software. The teacher may collect data from all students and calculate the average, mean and median of listening and viewing hours.

Learning Outcomes

Students will be able to:

- ask questions of a statistical nature in order to study actual situations;
- choose, use and justify appropriate methods for collecting data while designing and carrying out statistical surveys;
- conduct research into different media;
- present data in different ways, by hand or using a computer;
- determine and use the most appropriate method for measuring the central tendency in a given context.

Resources Needed

Pages or Numbers software (or any other software creating charts and graphs, such as Excel)

Duration of Activity

3 periods of 50 minutes

Cognitive and Affective Domains

Cognitive – Application

Affective - Receiving

Assessment Strategy

The teacher could evaluate this activity taking into account the following aspects:

1. wording of a question (30%);
2. presentation of data using a chart or graph (30%);



3. calculation of the average, mean and median (30%);
4. general work (10%)

