

Kit for Mathematics

Title: **Statistics and you**

Process:

Getting started

- Before starting this activity pupils in both schools can imagine in which way the others are the same or different and collect their ideas in shared folders.
- Then pupils decide together with their teachers and their partner school which information they want to get from each other.

Collecting and sorting information

Both partners

- Draft a questionnaire and adapt it using the one from their partner school.
- Collect information from their family and provide information about themselves in their questionnaire.
- Collate the information in spreadsheets and present it in graphs and numbers.
- Analyse the statistical data in their class.

Exchanging information

Both partners

- Share common documents for statistics.
- Exchange the results of their analysis.
- Compare their findings with each other.
- Compare their findings with their concept of the others before doing this activity.

Outcome

Both partners share different spreadsheets with statistical graphs and numbers. Each class can prepare its own PowerPoint presentation including these data and their own evaluation of it.

Options

This activity can be related to facts about the family of the pupils as well as how they spend their free time, their cultural background or any other topic that is relevant to the pupils and tells them something about the others.

Classes can debate on the impact of the result on society in general.

Similar projects

Activities Linking Math to Social Concerns and Issues of Equality

<http://www.orillas.org/math/about.html>

Statistikprojekt

<http://www.h.shuttle.de/h/dadoka/esp/statist.htm>

Suggested questionnaire

Information about yourself

- How old are you?
- Are you male or female?
- How tall are you (in cm)?
- What is the size of your feet (in cm)? OR what size are your shoes? (but need to specify European or UK)
- What is the colour of your hair?
- At which age did you start primary school?
- At which age did you start secondary school?
- How many lessons do you have at school every week?
- How much time do you spend on your homework every day?
- How much time do you spend each day watching TV?
- How much time do you spend every day on your PC?
- How much do you use your mobile/telephone every day (in time)?

Information about your family

- How old is your mother?
- How tall is your mother (in cm)?
- How many children were in her family?
- How old is your father?
- How tall is your father (in cm)?
- How many children were in his family?

- How many hours every day do you spend with your parents?

- How old are your grandparents (on both sides)?
- How often do you see your grandparents?

- How many brothers and sisters do you have?
- How old are they?
- How much time do you spend every day with your brothers and sisters?