Plan | Collect | Process | Discuss

How old is your height?

This task uses a **Problem-Solving Approach** and is designed to take approximately 3 hours of teaching time.

The resource explores the use of data within the historical context of the Industrial Revolution. In 1833 the first factory act was introduced to control the employment of children in factories. Inspectors were employed to enforce the act – to solve the problem of identifying a child's age.

Pupils are encouraged to look at what the inspectors did and consider their data, thinking about its reliability, as well as using their own data from CensusAtSchool to compare children's heights now and then. Optional material contained in the presentation leads pupils to consider spread in data and how a box and whisker plot can be a helpful graphical tool.

Downloadable materials:

- Teachers' overview
- PowerPoint presentation*
- PDF of teachers' notes from PowerPoint slides
- Pupil worksheet*
- Pupil feedback forms and teacher cover sheet

* These materials can be edited for your own use

Classroom guidance:

Time: 3 hours
NC Level: 5-7
Cross curricular links: History
Citizenship
Source: The Penny Magazine (1837)

Keywords:

Industrial Revolution
Agriculture
Industry
Line graph
Mean
Feet
Inches
Metric
Average
Mean
Box and whisker plot
Mid-point
Median