Linear Programming: SWEDEBUILD
Supporting Material for Teachers

This is the Teachers' Resource Pack for the 'SWEDEBUILD' linear programming workshop. We recommend this workshop for students in years 7-13 and expect it to take 1 to 1.5 hours.

The resource pack includes:

- Student worksheet
- Teacher notes
- Presentation
- Answer sheet

Not included:

- 6 x rectangle Lego bricks for each student/pair of students
- 8 x square Lego bricks for each student/pair of students

Before running the workshop:

Each student/pair of students will need:
- Lego

Each student will need:
- Student worksheet

Learning/curriculum areas:

- GCSE
    - Algebra notation, vocabulary and manipulation
    - Solving algebraic equations and inequalities
    - Calculations with integers
    - Graphs of equations and functions, interpreting graphs
- A Level
    - Algebra and functions of inequalities
- A Level: Decision/Discrete maths
    - Linear programming
    - Use graphical methods to solve constrained optimisation problems and/or two variable problems where integer solutions are required

This information is also available for download at www.theorsociety.com or by emailing education@theorsociety.com.