

Critical Path Analysis: Cooking Bolognese Supporting Material for Teachers

Teachers' Resource Pack for the Cooking Bolognese workshop. We recommend this workshop for students in years 10 – 13. It should take 1 – 1.5 hours to run.

Please note this resource uses 'activity on edge' diagrams in line with Edexcel, MEI and OCR.

The resource pack includes:

- Student worksheet
- Teacher notes
- Presentation
- Answer sheet
- Diagram cards

Not included:

- N/A

Before running the workshop:

Each student/pair of students will need:

- Diagram cards

These can be cut out ahead of time or students can cut them out in class.

Each student will need:

- Student worksheet

Learning/curriculum areas:

- GCSE
 - apply the four operations to integers
 - use standard units of time, using decimal quantities where appropriate
- A Level
 - Interpret and communicate solutions in the context of the original problem.
 - Understand, interpret and extract information from diagrams and construct mathematical diagrams to solve problems, including in mechanics.
- A Level: Decision/Discrete maths
 - Completion of the precedence table for a given activity network.

- Construct, represent and interpret a precedence (activity) network.
- Use critical path analysis and be able to interpret outcomes, including implications for criticality.
- Determine earliest and latest start and finish times for an activity network.
- Identify critical activities, critical paths and the float of non-critical activities.
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This information is also available for download at <http://www.theorsociety.com> or by emailing education@theorsociety.com.