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Mathematics
Level 2
Challenge: Irish Blarney
Teacher Notes

Lesson focus

Students will be asked to :

- find a suitable hotel
- work out how much each person will have to pay
- convert spending money from pounds to euros
- working out how far they will travel

Glossary words

These are found in the podcast

Divide, multiply, addition, convert, pounds sterling, euros, scale

Other scenarios/tasks

The Level 2 Challenge 'Big Night Out' looks at dividing costs between a group

Online tasks

These tasks can be completed instead of the worksheets in class. They can be shown to the whole class if individual computers are unavailable. They can also be used individually away from class by students.

More ideas and things to note

The students could look into planning their own holiday or trip. After choosing a destination they can research costs and think about how much spending money they would need to take and in what currency. To link into ICT, research the destination and find out what kinds of activities are available and how much they would cost to ensure they take enough spending money.



<p>Session: Date:</p> <p>Week no: Duration:</p> <p>Curriculum Reference:</p> <p>Course/Class:</p> <p>Subject/Topic:</p> <p>Tutor:</p>	<p>Resources</p> <p>The resources needed for this session consist of: a computer, guroo worksheets, a whiteboard, headphones, student essential equipment (pens, pencils etc).</p>	<p>Aims and objectives</p> <ul style="list-style-type: none">■ to interpret data from a table■ to calculate the cost of a trip■ to convert between currencies■ to calculate the distance from a map
<p>Learning Outcomes - by the end of the session the student will be able to:</p> <p>Key Skills</p> <ul style="list-style-type: none">■ Choose how to obtain information to meet the purpose of your activity N2.1.1■ Obtain the relevant information N2.1.2■ Select appropriate methods to get the results you need N2.1.3■ Carry out calculations, clearly showing your methods and levels of accuracy N2.2.1■ Check methods to identify/correct errors, and make sure results make sense N2.2.2 <p>Functional Skills</p> <ul style="list-style-type: none">■ Understand and use simple equations/formulae involving one or two-step operations■ Carry out calculations with numbers of any size in practical contexts		<p>Flash Activity Links:</p> <p>More Cool Stuff Level 1 - Mix And Match</p> <p>Additional information</p> <p>The students in the class working on Irish Blarney should be working towards Level 2 Mathematics. Students should be encouraged to access the guroo materials outside of class.</p> <p>Differentiation</p> <p>All students should watch the video and take part in a discussion about the four test questions. This worksheet has four tasks; some students will complete them all. Experience shows that students generally enjoy doing the task working out scale drawings from a map, so they may work collaboratively on this.</p>

Mathematics Level 2 Irish Blarney Lesson Plan v2

Topic	Teacher Activity	Student Activity	Materials Required	How learning is checked
Introduction	Register, introduce the guroo materials and explain lesson intentions	Listening		
Watch and learn	Introduce the vodcast and podcast, answer any questions from the students	Watch the vodcast, listen to the podcast	Computer, whiteboard, vodcast, podcast	
Listen and discuss	Run through the four questions in “What Do You Know - Key Skills” or “What Do You Know - Functional Skills”	Discuss answers and reasoning	Computer, whiteboard	
Worksheet Task 1 – obtaining information from different sources	Explanation of obtaining information task – basic reiteration of the information in the vodcast	Respond to questions orally. Students should work individually	Worksheet Task 1 from guroo materials	Successful completion of Task 1
Worksheet Task 2 – carrying out calculations	Talk about the task, illustrating the importance of carrying out calculations	Students should work individually	Worksheet Task 2 from guroo materials	Successful completion of Task 2
Worksheet Task 3 – converting between systems	Go over Task 3, describing the task to the students	Students should work individually	Worksheet Task 3 from guroo materials	Successful completion of Task 3
Worksheet Task 4 – working out dimensions from scale drawings	Brief explanation of Worksheet Task 4	Students may work collaboratively for this task	Worksheet Task 4 from guroo materials	Successful completion of Task 4

Extension Work

Students who progress more rapidly through the tasks have the option of:

- checking their own progress, using the reports
- trying other guroo Level 2 Mathematics activities – ‘Gardeners’ World’, ‘Tabloid News’ and/or ‘A Question Of Fitness’
- trying the guroo podcasts, practice papers and tests
- trying different online resources, such as: www.bbc.co.uk/skillswise



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Mathematics
Level 2
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LESSON PLAN

2

Session: Date:

Week no: Duration:

Curriculum Reference:

Course/Class:

Subject/Topic:

Tutor:

Resources

The resources needed for this session consist of: a computer per student, guroo worksheets, a whiteboard, headphones, student essential equipment (pens, pencils etc).

Aims and objectives

- to interpret data from a table
- to calculate the cost of a trip
- to convert between currencies
- to calculate the distance from a map

Flash Activity Links:

More Cool Stuff Level 1 - Mix And Match

Learning Outcomes - by the end of the session the student will be able to:

Key Skills

- Choose how to obtain information to meet the purpose of your activity **N2.1.1**
- Obtain the relevant information **N2.1.2**
- Select appropriate methods to get the results you need **N2.1.3**
- Carry out calculations, clearly showing your methods and levels of accuracy **N2.2.1**
- Check methods to identify/correct errors, and make sure results make sense **N2.2.2**

Functional Skills

- Understand and use simple equations/formulae involving one or two-step operations
- Carry out calculations with numbers of any size in practical contexts

Additional information

The students in the class working on Irish Blarney should be working towards Level 2 Mathematics. Students should be encouraged to access the guroo materials outside of class.

Differentiation

All students should watch the video and take part in a discussion about the four test questions. This worksheet has four tasks; some students will complete them all. As students have a computer each in this lesson, they should work individually on all of the tasks. They can use the vodcast and podcast as many times as they wish.

Mathematics Level 2 Irish Blarney Lesson Plan v2

Topic	Teacher Activity	Student Activity	Materials Required	How learning is checked
Introduction	Register, introduce the guroo materials and explain lesson intentions	Listening		
Watch and learn	Introduce the vodcast and podcast, answer any questions from the students	Watch the vodcast, listen to the podcast	Computer, whiteboard, vodcast, podcast	
“What Do You Know - Key Skills”, “What Do You Know - Functional Skills”	Introduce the “What Do You Know” section to complete	Complete the four questions from the “What Do You Know” section	Computer	Successful completion of the four questions – printing out the certificate
Worksheet Task 1 – obtaining information from different sources	Explanation of obtaining information task – basic reiteration of the information in the vodcast	Respond to questions orally Students should work individually	Worksheet Task 1 from guroo materials	Successful completion of Task 1
Worksheet Task 2 – carrying out calculations	Talk about the task, illustrating the importance of carrying out calculations	Students should work individually	Worksheet Task 2 from guroo materials	Successful completion of Task 2
Worksheet Task 3 – converting between systems	Go over Task 3, describing the task to the students	Students should work individually	Worksheet Task 3 from guroo materials	Successful completion of Task 3
Worksheet Task 4 – working out dimensions from scale drawings	Brief explanation of Worksheet Task 4	Students should work individually for this task	Worksheet Task 4 from guroo materials	Successful completion of Task 4

Extension Work

Students who progress more rapidly through the tasks have the option of:

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