A conference organized by the British Society for Research into Learning Mathematics

University of London
Friday 3rd & Saturday 4th March 2017
✓ Plenary conferences led by University teachers or people belonging to Institutes of Education

• 'Exploring the mathematics education research traditions in UK and France and their impacts on policy and practice in each country'
  Isabelle Bloch & Ken Ruthven

• 'Mathematics teachers’ practices and professional development: sharing and crossing theoretical approaches'
  Maha Abboud, Barbara Jaworski, Alf Coles & Aline Robert

✓ Discussion groups
Plenary panel
A summary of the key points discussed during the two previous conferences
Michèle Artigue & Celia Hoyles

Thirty-four parallel presentation sessions
30 or 60 minutes each
Participants: Teachers in primary, middle and high schools, University teachers, PhD students

- Presenting research papers
- Leading working groups or research workshops
Our presentation
Teaching Mathematics in English

Examples of mathematics activities in French European classes in lycée
We are...

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  maths teacher  
  collège de La Comté, Vic Le Comte, France  
  pupils from 11 to 15 (middle school)

• **Christine DEMEUSOIS**
  
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  maths teacher  
  lycée Jeanne d’Arc, Clermont-Ferrand, France  
  pupils from 15 to 18 (high school)

• **Members of...**

  the IREM of Clermont-Ferrand, France
IREM
Institute for Research into Teaching Mathematics

- thirty-one académies in France
  (académie = local education authority)
- nearly one IREM per académie
- members:
  maths teachers
  from state & public schools
  essentially from middle & high schools
  meeting approximately five times a year
  volunteering to prepare learning activities
- many groups working on different topics
31 académies in France
We have been invited here as members of an IREM group working on the teaching of maths in English, and preparing learning activities, most of them being intended for pupils of European sections.
European section

• special curriculum in lycée
• optional
• for pupils with good language skills
• 2 extra hours per week
• dedicated to the study of a subject
  (biology, economics, geography, history, maths, science... )
• taught in a foreign language
  (English, German, Italian, Spanish... )
• final oral exam in baccalauréat in front of
  a jury of two teachers (maths and... English)
Activity

A bunch of card games

→ memorizing the mathematical vocabulary about

numbers and calculations
algebraic expressions and calculations
probabilities
geometry
Contents

Numbers and calculations
“Snake” - Rules: 1 page - 33 double cards: 2 pages
“Matching Game”, “Memory”, “Mistigri” - Rules: 2 pages - 32 pairs of cards: 2 pages

Algebraic expressions and calculations
“Snake” - Rules: 1 page - 33 double cards: 2 pages
“Matching Game”, “Memory”, “Mistigri” - Rules: 2 pages - 32 pairs of cards: 2 pages

Probabilities
“Word panelling” - Rules: 1 page - 16 cards: 2 pages
“Matching Game”, “Memory”, “Mistigri” - Rules: 2 pages - 15 pairs of cards: 3 pages

Geometry Unit 1
“Snake” - Rules: 1 page - 33 double cards: 2 pages
“Matching Game”, “Memory”, “Mistigri” - Rules: 2 pages - 32 pairs of cards: 2 pages

Geometry Unit 2
“Snake” - Rules: 1 page - 33 double cards: 2 pages
“Matching Game”, “Memory”, “Mistigri” - Rules: 2 pages - 32 pairs of cards: 2 pages

IREM Clermont-Ferrand - “Math in English” - Mai 2016
How combining the pleasant with the useful?

By spending a whole day walking through London in the sun!
Thursday 2nd March 2017 - LONDON - UK
THE BRITISH MUSEUM
Thursday 2nd March 2017 - LONDON - UK
THE LONDON EYE ON THE THAMES
HORSE GUARDS
THE CITY FROM THE 10th FLOOR OF THE TATE MODERN
SAINT PAUL'S CATHEDRAL
THE MILLENNIUM BRIDGE
THE TATE MODERN
THE CHEESE GREATER (THE CITY)
THE CHEESE GREATER (THE CITY)
WILLIS BUILDING (THE CITY)
THE SCALPEL (THE CITY)
THE SCALPEL (THE CITY)
THE GHERKIN (THE CITY)
Thank you very much for your attention.

A special thanks to Thierry Lambre, who gave us the opportunity to participate to this conference, and supported us in the organization of this wonderful trip.

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