

# e-Bug: A DG-SANCO Funded Pan European Educational Resource

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## Background Information

- Antimicrobial resistance remains one of the key problems within community and hospital settings in Europe
- Many EU countries have public educational campaigns to encourage prudent antibiotic use
- Respiratory and gastrointestinal infections have been identified as a major cause of childhood illness in schools
- Research has shown that the implementation of proper hand hygiene practices has reduced absenteeism rates within the school environment
- e-Bug is a European wide, DG-SANCO funded, antibiotic and hygiene teaching resource for junior and senior school children
- This resource will comprise of a teacher and student educational pack reinforcing an awareness of essential hygiene and antibiotic issues
- As the Internet has become a powerful vehicle for education, the pack will be accompanied by a website hosting complementary games and interactive quizzes
- 18 countries in total are involved in e-Bug, covering 62% of the European population

## What is e-Bug?

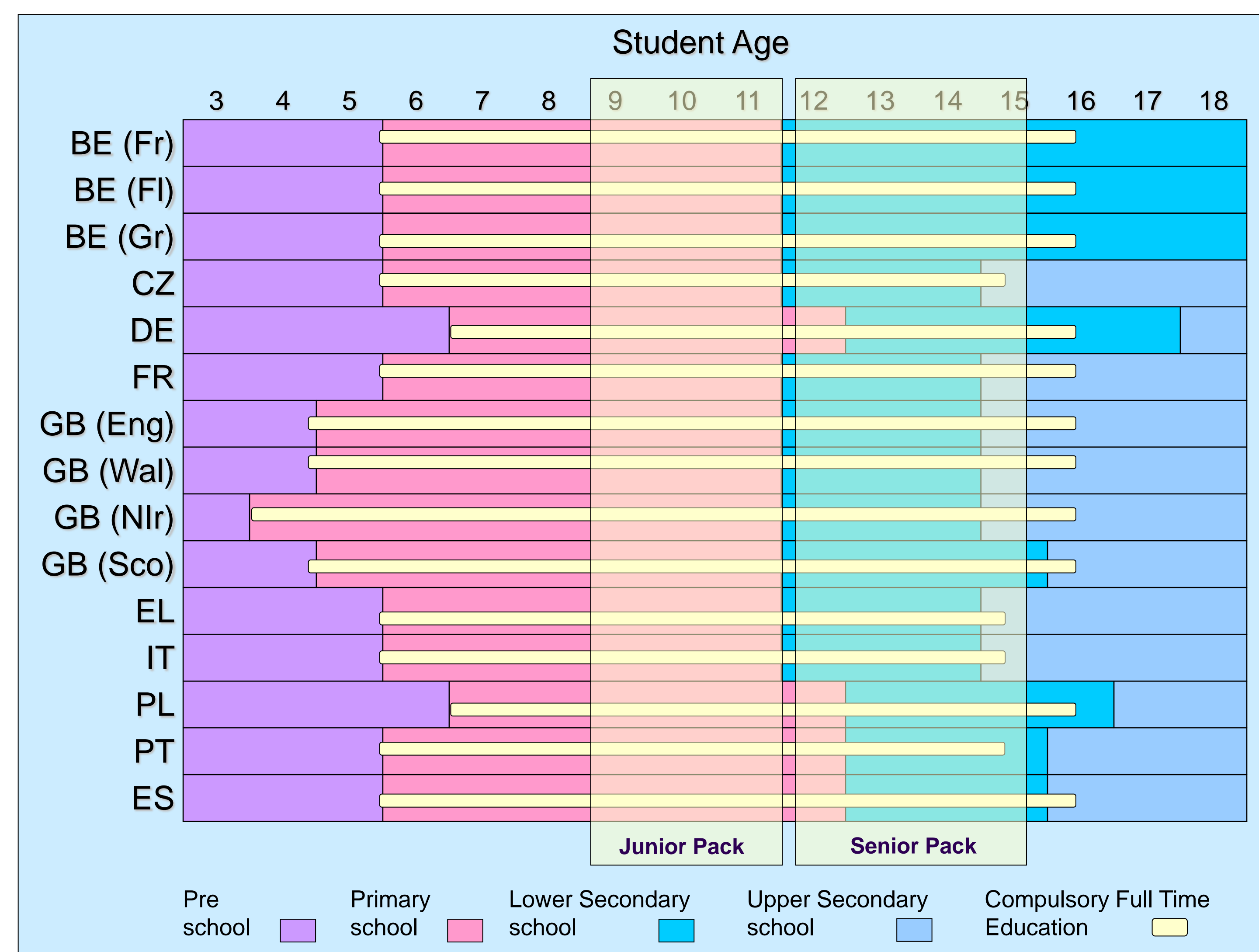
## Project Aims

- To compliment national antibiotic and hygiene educational campaigns
- Exchange information and experience of good practice within the educational curriculum with associate partner countries
- Develop an antibiotic and hygiene teaching pack for both junior and senior schools
- Develop an interactive educational website, based on the educational pack, to improve e-Health across Europe
- Translate and implement the pack across associate countries in close collaboration with local Ministries of Health and Education
- Disseminate and market the e-Bug resource to collaborating partner countries

## Project Timelines

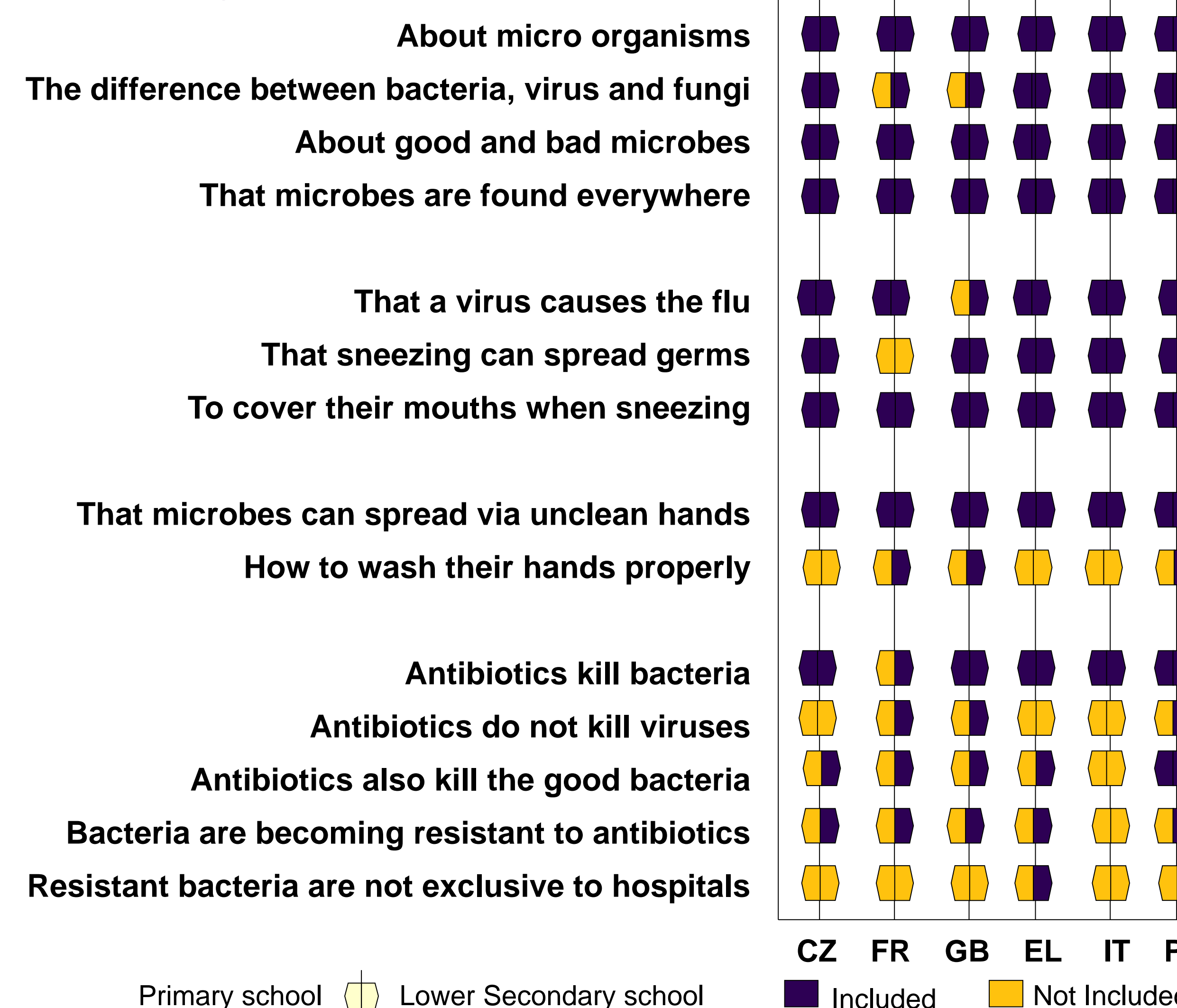
		2006	2007	2008	2009
WP 1	Co-ordination				
WP 2	Dissemination of Results				
WP 3	Evaluation				
WP 4	Research				
WP 5	Pack Development				
WP 6	Web Development				
WP7	Translation and Implementation				

## Research Findings The Educational Structure in Partner Countries



The structure of associate partner countries education systems from pre primary through upper secondary schools indicate that aiming the pack at 9-11 and 12-15 year olds is the most appropriate age groups.

## Are children taught...



The curriculum content of associate partner countries adequately covers the topics of general microbiology, hand and respiratory hygiene in both the junior and senior school sectors. Although antibiotic usage is covered in a general sense across all countries, information on antibiotic resistance is provided to a varying degree.

## Research Findings Teacher Suggestions

### Teacher Requirements for Pack

- Cross curricular activities and lesson plans
- Background information for new or substitute teachers
- Obvious curriculum links
- Differentiated activities for more able and less able students
- A range of activities to suit a range of learning needs
- All pack content be available online
- All student handout sheets be available as Microsoft word documents

### Requirements for Website

- Downloadable Clipart
- Interactive Quizzes
- Games for home and classroom use
- Certificates of achievement
- Separate student and teacher sections

## Proposed e-Bug Pack Layout

### Teacher Sections

- National Curriculum links
- Learning objectives for more able and less able students
- Background information for teachers
- Detailed lesson plans
- Classroom presentations
- Health and Safety

### Student Sections

- Classroom resource materials
- Information / Fact sheets
- Did you know? Sections
- Games for home and school use
- Revision guides