

Lesson Plan

AROUND LONDON

School: IC "Libero Andreotti"	Teacher: Rossana Marchi
Title : Around London	Time : 4 hours
Subject : English, I.C. T., Geography	
Aim: Cultural heritage and Real life	
Key CS elements: decomposition, pattern recognition, abstraction, practicing algorithms	
Age group : 7 th graders, 12 -14 year olds	
Learning situations: class, computer lab	Activity type : digital activities, cooperative learning
Resources : laptop, workspace,google maps, LIM	
Learning development:	
<p>1.DECOMPOSITION (breaking a problem down into a smaller part)</p> <p>the student:</p> <ul style="list-style-type: none"> - watch a video about London; -underline the main monuments and attractions of London in the text given; - search the internet for other points of interest accommodations; - take information about typical food and where to go to eat it. <p>2. PATTERN RECOGNITION (looking for similarity and trend within a problem)</p> <p>The students build a chart where they synthetically classify the monuments of London:</p> <ul style="list-style-type: none"> - Why they are famous for; - When it was built; - What it is used now for; - How you can get to visit it <p>They download a map of London and circle the place where the monument is. and decide what means of transport are needed to move from one point to another.</p>	

3 .**ABSTRACTION** (focusing on the important part of a problem, filtering out unnecessary details)

The students:

- evaluate how to get to London
- decide what they would like to visit in London
- find what means of transport are needed to move from one point to another
- decide where to stay,
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4. **ALGORITHM DESIGN** (create a step by step sequence of instruction to solve the problem)

- The students, divided into groups, build their personal itinerary of London:
- create a storyboard using technological devices and tools.
- use Scratch to build an interactive map of the city
- enter the main points of interest with photos and brief descriptions on the interactive map;
- build their personal itinerary of London.

Assessment:

The assessment will focus on

- students' cooperation in finding out information to create a personal itinerary of london;
- the presentation of the itinerary and the reasons for its choice.

Expected results:

- learn to read and create map, to use technological devices and tools and cooperate with peers;
- create itinerary;
- improvement in communication (foreign language)

Notes: the presentation of London from a video and later from a written text allowed me to hence their curiosity to visit the city.

Computational thinking gave me the necessary tools to guide the students to the discovery of the city of London and the creation of an itinerary.

Attachments: a chart

NAME	WHEN IT WAS BUILT	WHY IS FAMOUS	WHERE IT IS	HOW YOU CAN GET IT

