



Course: 2° A and B.  
Year: 2017  
Subject: ITC  
Teacher: Chiozza, María Cristina

### ARCHIVEMENT AIMS

- Knowledge of ICT including new and emerging technologies
- Autonomous and discerning use of ICT
- Skills to enhance work produced in a range of contexts
- Skills to analyze, design, implement, test and evaluate ICT systems
- Skills to consider the impact of current and new technologies on methods of working in the outside world and on social, economic, ethical and moral issues
- ICT-based solutions to solve problems

### **Assessment and evaluation criteria:**

Students will be required to work on a reading comprehension passage and then answer some questions about it, to make a presentation or a video.

They will also be asked to do a writing task applying the vocabulary studied during the year.

They will be solved problems with the ICT software during the class.

They will take their booklets and their copybooks in class.

They will take notes about the worked in class.



## EXAM SYLLABUS

### **Section 1 - Theory**

#### **Chapter 4. Networks and the effects of using them**

- 4.1 networks
- 4.2 network issues and communication

#### **Chapter 5. The effects of using IT**

- 5.1 effects of IT on employment
- 5.2 effects of IT on working patterns within organizations
- 5.3 microprocessor-controlled devices in the home
- 5.4 potential health problems related to the prolonged use of IT equipment

#### **Chapter 6. ICT applications**

- 6.1 communication applications
- 6.2 data handling applications
- 6.3 measurement applications
- 6.4 microprocessors in control applications
- 6.5 modelling applications
- 6.6 applications in manufacturing industry
- 6.7 school management systems
- 6.8 booking systems
- 6.9 banking applications
- 6.10 computers in medicine
- 6.11 computers in libraries
- 6.12 expert systems



- 6.13 computers in the retail industry
- 6.14 recognition systems
- 6.15 monitoring and tracking systems
- 6.16 satellite systems

## **Section 2 – Practical**

### **Chapter 12. Images**

- 12.1 software tools
- 12.2 edit and image

### **Chapter 15. Proofing**

- 15.1 software tools
- 15.2 proofing techniques

### **Chapter 16. Graphs and charts**

- 16.1 chart types
- 16.2 create a chart
- 16.3 Label a chart
- 16.4 use secondary axes

### **Chapter 20. Data analysis**

- 20.1 What is a data model?
- 20.2 create a data model
- 20.3 test the data model
- 20.4 manipulate data
- 20.5 present data



Colegio  
Santa María

Mixto - Bilingüe

**Bibliography:**

**Booklet for 2nd year**, Chapter 4, 5, 6, 12, 15,16 and 20 of the book  
IGCSE Information and Communication Technology **2nd Edition**.

Graham, Brian Sargent and David Watson  
HODDER EDUCATION.