ICT

Chiozza, María Cristina

2° A - B

SYLLABUS

ACHIEVEMENT 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 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

CONTENTS

Unit 1: Theory

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

Unit 2: Practical

Chapter 13. Layout

13.1 Basic documents

13.2 Place objects into a document

13.3 Headers and footers

Chapter 14. Styles

14.1 corporate house styles

14.2 create styles in a document

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 17. Document production

17.1 format text and organize page layout

17.2 edit a table

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

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 **copybooks** in class.

They will **take notes about the worked** in class.

BIBLIOGRAPHY

Booklet for 2nd year, in PDF format with Chapter 5, 6, 13, 14, 16, part of 17 and 20 of the book IGCSE Information and Communication Technology **2nd Edition**, Graham, Brian Sargent and David Watson, HODDER EDUCATION.

This Booklet will be saved in the student's virtual folder.

Time frame:

1st trimester	Chapters 5, 13, 14, 17, Revista (trabajo con Lengua , J. Fariña)
1st trimester	Chapters 6, 13, 14, 17
1st trimester	Chapters 16, 20, Integration activities.