

# **SCHOOL CURRICULUM**

**INFORMATION AND COMMUNICATION TECHNOLOGY  
INFORMATION TECHNOLOGY**

# THE 5<sup>TH</sup> GRADE

- Structure of a computer system (mainframe, peripheral devices)
- Operating systems: Windows 10
- Internet: WWW service
- Graphic editors: Paint, Tinkercad, Toontastic
- Algorithms
- Linear structure
- Alternative structure
- Interactive graphical media: Scratch, Blockly

# THE 6<sup>TH</sup> GRADE

- Presentation app: Microsoft Power Point, Google Slides, Power Point online
- Graphic animations and 3D models: Pivot Animator, Paint 3D, Tinkercad, CoSpaces Edu.
- Internet: e-mail service
- Algorithms
- Repetitive structure with counter
- Repetitive structure with initial test
- Repetitive structure with final test
- Interactive graphical media: Scratch, Blockly

# THE 7<sup>TH</sup> GRADE

- Text editors: Microsoft Word, Google Docs, Word online
- Audio-video processing applications: Audacity, Open Shot.
- Collaborative applications: Google applications (Docs, Sheets, Presentation, Drive, Gmail, Calendar, Sites, Classroom, Forms, etc.).
- Programming languages: C++, Python
- Programming media: CodeBlocks, Repl.it
- Algorithm implementation in C++
- Linear structure
- Alternative structure
- Repetitive structure with counter
- Repetitive structure with initial test
- Repetitive structure with final test

# THE 8<sup>TH</sup> GRADE

- Spreadsheet applications: Microsoft Excel, Google Sheets, Excel online
- Web pages: HTML language, Google Sites
- Programming languages: C++
- Value strings
- One-dimensional arrays
- Interdisciplinary algorithms: Scratch
- Robots: Open Roberta Lab, MakeCode

# THE 9<sup>TH</sup> GRADE

- Structure of a computing system
- Operating systems
- Microsoft Office Word
- Internet
- Web pages

# THE 10<sup>TH</sup> GRADE

- Microsoft Office Word
- Microsoft Office Power Point
- Microsoft Office Access

# THE 11<sup>TH</sup> GRADE

## HUMAN PROFILE

- Text editor: Microsoft Office Word Advanced
- Writer
- Making magazines
- Small-format book production
- Project work

## REAL PROFILE

- Computer recap
- Microsoft Office Excel: Databases, data validation, functions, data analysis, pivot tables, sorting, filtering
- Microsoft Office Word: forms, sorting, filtering
- Data protection
- Project development

# THE 12<sup>TH</sup> GRADE

## HUMAN PROFILE

- Web pages
- Project development

## REAL PROFILE

- Microsoft Office Access: tables, interrogations, forms, reports
- Project development

# **BACCALAUREATE EXAMINATION**

- Digital skills test for all profiles
- Duration: 90 minutes
- Sheet A: 15 minutes - Topic I: Internet literacy (practical) - 1 item
- Sheet B: 75 minutes
- Subject II - Theoretical notions - 3 items
- Subject III
- Microsoft Office Word (practice) - 3 items
- Microsoft Office Excel (practical) - 3 items
- Microsoft Office Power Point (practical) - 3 items
- Microsoft Office Access (practical) - 2 items
- Web pages (practice) - 2 items
- Operating systems (practical) - 2 items