

About your Technology and Digitisation I book



Technology and Digitisation I ESO is organised into units and projects which bring together the content studied in the units.

UNITS

Unit introduction

The opening pages are structured in the following way:

A list of the contents and sections in the unit

In **Think and discuss**, there are activities that promote reflection on and debate about the contents of the text.

An introduction to the **Work on your key competences** task, which is the **Learning situation LS** at the end of the unit

In addition, by going to your **GENiOX Desktop** you can access **Oxford Projects**. You can consolidate your learning with this digital resource, which includes tasks and simulators.

The introductory texts have been selected to foster **individual growth** (emotional, social and academic) and to encourage you to respond to the **challenges facing the world today**: the achievement of the Sustainable Development Goals, children's rights, gender equality and digital competence. They'll also help you to develop the personal, academic and professional **competences** you'll need in the future.

Development

These boxes introduce interesting facts or ask questions based on everyday life, experiments or images. This helps you to deduce what content will be covered in the section.

In the margins, there are **glossary boxes** with definitions of key vocabulary, as well as complementary texts that reinforce or extend the content.

Key content is highlighted.

Projects and the guided project

At the end of the book, you'll find three projects that bring together what you've learned in various units. These paced projects will allow you to use your **creativity** and imagination within a **project methodology** framework.

The guided project is designed so that you can apply **project methodology** to the **design and construction of a car**.

The collage shows various project pages from the book. Key elements include:

- Technology and digitalisation:** A page with a heading and sub-points about digitalisation.
- Projects Let's recycle:** A page with a heading and sub-points about recycling.
- Chess for everyone:** A page with a heading and sub-points about chess.
- Design and make a drawbridge:** A page with a heading and sub-points about building a drawbridge.
- GUIDED PROJECT Introduction:** A page with a heading and sub-points about the guided project.

Symbols used in this book

Some sections and activities in this book are specifically designed to develop the **key competences** and to **focus** on aspects of your **individual development** and the **challenges of today's world**.

The symbols below help you to identify these sections and activities.

Remember that Technology and Digitisation mainly works the STEM competence. This means that all of the activities in this book develop that competence, as well as the plurilingual competence.

KEY COMPETENCES

- Linguistic competence
- Plurilingual competence
- Competence in Science, Technology, Engineering and Mathematics (STEM)
- Digital competence
- Personal and social competence and learning to learn
- Civic competence
- Entrepreneurial competence
- Cultural awareness and expression

FOCUS ON

- Children's rights
- Gender equality
- Physical and emotional wellbeing
- Digital competence
- The world of work
- The Sustainable Development Goals

OTHER SYMBOLS

- Learning situation
- Speaking activity
- Group activity and cooperative learning
- STEAM task (interdisciplinary activity)
- Downloadable material

The GENiOX Desktop

The GENiOX Desktop is a digital space where you can access your **digital book**, as well as a wide range of **resources** in different formats (such as video, HTML and PDF). These will help you with the tasks and processes that are the basis of your learning: observation, analysis, consolidating and expanding your knowledge, study skills and exam revision.

 **Unit presentation**

 **Oxford Projects**, which works on the contents digitally through tasks, animations and simulators

 **Animations** that help you to visualise processes and mechanisms in a dynamic way

 **Simulators** that allow you to work in a virtual laboratory

▶ **Video** of the guided project

 **Digital revision activities** to test your knowledge in an interactive format

 **Concept maps, dictionary worksheets** and **scaffolding worksheets**

 **Weblinks** to expand your knowledge and find information for research tasks

The Sustainable Development Goals

The UN launched the Sustainable Development Goals (SDGs) in 2015 for its member states to adopt. The SDGs aim to end poverty, reduce inequality and injustice and tackle climate change for everyone in the world.

Go to your **GENiOX Desktop** to learn about the objectives associated with each Sustainable Development Goal.

