

COURSE PLANS

UNIT 9.

1. BASIS

Pupils will extend their knowledge of machines and tools starting from the simplest ones they are familiar with as they are used in their daily lives, so that they understand that they make work easier. New technologies are also covered and are necessary tools to adapt to the evolution of information and some are highly intuitive for children. As practical projects, pupils learn good practices when using a computer and make their own computer.

May June

2. METHODOLOGY

As pupils work through this unit they will learn about machines and tools and new technologies, acquiring vocabulary about these topics in order to express themselves both orally and in writing. They will learn about some inventions of the past and also how machines and tools are necessary for certain jobs and professions.

CONTENTS	EVALUATION CRITERIA	LEARNING STANDARDS
<ul style="list-style-type: none"> • Knowledge of the role of machines and tools and instruments that help people and facilitate their work. • Classification of machines and tools with respect to jobs. • Knowledge of the use of some machines and tools. • Knowledge of the differences between tools and machines in function of their need for energy or human power in order to work. • Appreciating that machines and tools are useful to people in their daily lives. • Knowledge of some technological inventions and improvements in daily life and communication. • Acquisition of vocabulary referring to the computer. • Knowledge of the importance of the Internet as a form of communication between people worldwide. • Appreciating new technologies as facilitators of information and knowledge. • Knowledge and responsible use of ICT. • Acquisition of vocabulary relating to machines, tools and new technologies, and the use of language as a communication tool. • Understanding information and acquiring vocabulary about machines, tools and new technologies; showing interest in reading and oral information about these topics. 	1. Know about the functions of machines and tools to make people's work easier.	1.1. Know the meaning and function of machines and tools. 1.2. Name different machines and tools and match them to what they are used for.
	2. Know the machines and tools required for certain jobs.	2.1. Classify machines and tools according to the jobs and professions that use them.
	3. Know that machines work with energy and discriminate tools that work by human power.	3.1. Recognise the need for energy to make machines work. 3.2. Name different tools and understand that they are operated by human power.
	4. Learn about technological inventions that improve communication.	4.1. Know and name technological inventions and know what they are used for.
	5. Know the meaning of the Internet as a facilitator of worldwide communication.	5.1. Know the meaning of Internet.
	6. Know the different components of a computer and their function.	6.1. Know and name the components of a computer.
	7. Understand information and acquire vocabulary about new technologies, showing interest in their use.	7.1. Understand information and acquire vocabulary concerning machines, tools and new technologies. 7.2. Show interest in the use of new technologies.

3. COMPETENCIES

COMPETENCIES	CONTENTS AND ACTIVITIES BY COMPETENCY
Linguistic competency.	<p>Grasping the meaning of oral expressions: orders, explanations, instructions, stories ...</p> <p>Understanding the meaning of the various oral expressions</p> <p>Respecting the rules of communication in various contexts: taking turns to speak, paying attention to the speaker ...</p> <p>Respecting taking turns to speak and listening attentively</p>
Mathematical competency and basic competencies in Science and Technology.	<p>Using knowledge of science and technology to solve problems and understand what is happening around us.</p> <p>Using knowledge about science and technology and understanding its usefulness.</p>
Digital competency.	<p>Using digital tools to build knowledge.</p> <p>Using digital tools to carry out the activities.</p>
Learning to learn.	<p><i>Multiple Intelligences:</i> Developing the different multiple intelligences.</p> <p>Respecting the environment and looking for information to put into practice.</p>
Social and Civic competencies.	<p>Showing a willingness to participate actively in established areas of participation.</p> <p>Actively participating in activities</p> <p><i>Values:</i> Learning to behave correctly according to different values.</p> <p>Being responsible with the use of new technologies..</p>
Sense of initiative and entrepreneurial spirit.	<p>Showing personal initiative to initiate or promote new action.</p> <p>Actively participating and contributing ideas and opinions.</p>
Cultural awareness and expression	<p>Developing work and presentations with aesthetic sense.</p> <p>Being careful with presentation and neatness in their work.</p>