





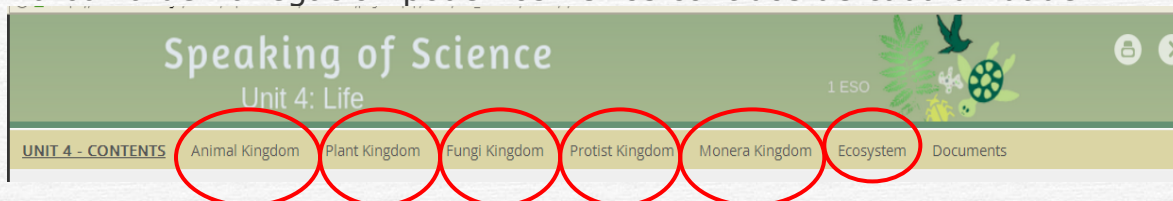
Speaking of Science

MANUAL DE USO

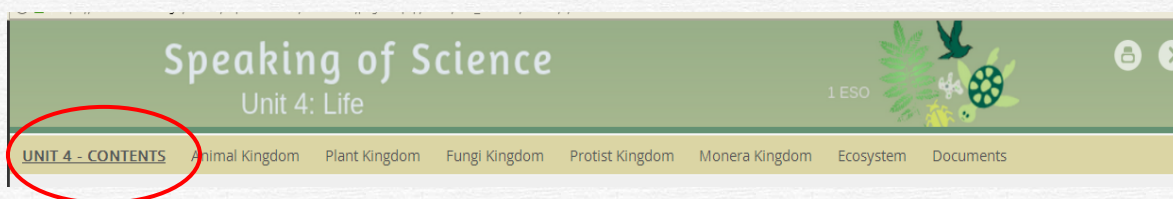
O proxecto *Speaking of Science* consta de catro unidades:

	
UNIDADE 1: Being a scientist	UNIDADE 2: Space
	
UNIDADE 3: Earth	UNIDADE 4: Life

Na barra de navegación podemos ver os contidos de cada unidade:



No primeiro apartado, chamado CONTENTS, atópase una portada cos contidos da unidade máis detallados:



Esta portada aparecerá por defecto cada vez que abramos unha unidade.

A seguinte imaxe exemplo é a portada da unidade 1:

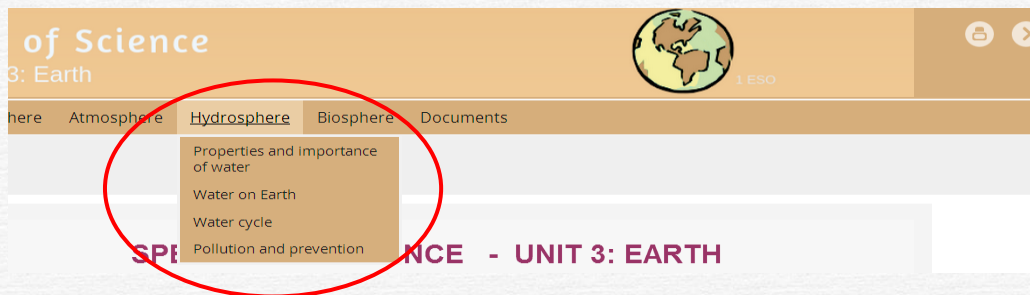
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Este botón permite ver este manual de USO

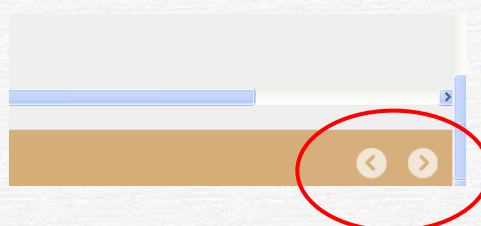
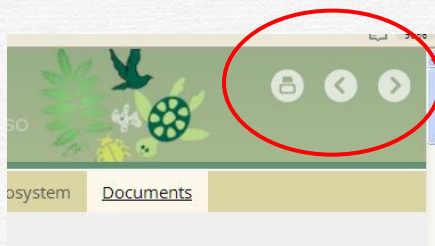


Pódese acceder aos contidos clicando sobre os títulos das diferentes partes da unidade, rodeados cun círculo vermello na imaxe, ou clicando nos debuxos, rodeados cun círculo azul.

Ao pasar o rato polas diferentes contidos da unidade na barra de navegación, despregharase un menú onde haxa subapartados:







Tamén existe a posibilidade de navegar páxina tras páxina empregando as frechas na parte superior ou inferior dereita da unidade:



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As unidades comezan cunha presentación do contido que inclúe vocabulario, conceptos, imaxes e sons.

<p>The Moon is the Earth's satellite. It rotates around the Earth and also on its axis. It takes the Moon 29.5 days to complete an orbit around the Earth.</p> <p>On average, the distance from Earth to the Moon is about 384,400 km.</p> <p>The Moon has a diameter of 3,476 kilometers and is about one-quarter the size of Earth. The Moon weighs about 80 times less than Earth.</p> <p>On the Moon, there's no air to breathe. However, there is a very thin layer of gases on the surface that can almost be called an atmosphere and supposedly it consists of helium, neon, argon, ammonia, methane and carbon dioxide.</p>	 <p>Full Moon. Dunc. Pixabay, Pixabay, License</p>	
 <p>The Moon's phases as seen from Space. ELO. CC-BY</p>	<p>Phases of the Moon: They are the different illuminated stages of the Moon as it moves around the Earth.</p>	<p>Lunar eclipse: It is the total or partial obscuring of the light on the Moon when the Earth is between it and the Sun.</p>
 <p>Full Moon: It is the phase of the Moon when it is completely illuminated.</p>	<p>New Moon: It is the phase of the Moon when the Sun's light is not illuminating the side of the Moon facing the Earth so we can't see it at night.</p>	 <p>Eclipse. Delvysorley. Pixabay, Pixabay, License</p>

Despois hai exercicios de recoñecemento de vocabulario, escoita, práctica escrita, exercicios de contidos, etc. As unidades presentan tamén textos sobre mulleres científicas ou entidades que favorecen o desenvolvemento científico:

Read this text about Valentina Tereshkova.

Valentina Tereshkova became the first woman to travel into space.

She was born in 1937 in Bolshoye Maslennikovo, a small village in western Russia. She could only start school when she was ten but had to leave in 1954 to work in a mill. However, she continued studying through correspondence courses and graduated from the Light Industry Technical School.


In her free time Valentina practiced parachuting which helped her to become a cosmonaut in 1961. Two years later she piloted the spacecraft Vostok 6, which completed 48 orbits around the Earth in a three day mission.

After her space experience, she graduated from the Military Air Academy and represented the USSR in a lot of international events, for example, the United Nations Conference for the International Women's Year. In 1975, she was also in charge of the Soviet Committee for women from 1968 to 1987.



500 with Valentina Tereshkova, 1968, USSR. Collection: Wikipedia, CC0

En todas as unidades hai exercicios para traballar cooperativamente e para facer presentacións orais. Os exercicios para traballar en grupo estarán marcados pola seguinte imaxe:



According to the text, are the sentences true (T) or false (F)? In pairs find the information that support your choice and prepare to explain it to the rest of students.

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As unidades rematan con varios tipos de proxectos:

PROJECT 1	PROJECT 2	PROJECT 3
<p>The leaves collection</p> <p>Gather leaves from the trees around you or in the local park. Use a book to identify them. Create a factsheet for each tree. At least you must identify ten trees.</p>	<p>Medicinal Plants</p> <p>Ask your family about the plants that have been frequently used as remedies to improve our health.</p> <p>Make a poster with all the information. If it is possible, get the real plants so that the other students can see them. At least you must identify twelve plants.</p> <p>Spices</p> <p>Do the same as above but this time with herbs we use to cook. At least you must identify twelve plants.</p>	<p>Capillarity and nutrition</p> <p>Perform this experiment. Keep a diary of every step you take and draw conclusions. Record it on video to show the rest of students.</p> <p>Needed materials:</p> <ul style="list-style-type: none">-Plastic glasses-Water-Sugar-Celery-A spoon-A marker-Food colouring <p>Pour some water in the glasses. Mark them with 1, 2, 3. Add sugar to glass number 2 and stir. Add food colouring to number 3. Place a stalk of celery in each glass. Keep the glasses with the celery in the fridge 48 hours.</p> <p>After 48 hours taste the leaves from the stalks and observe them.</p> <p>What conclusions can you draw?</p>
<p>Project 4</p> <p>A. What about planting vegetables in a yard? Is it possible in your school? Will you enjoy a lettuce, some tomatoes or potatoes from your yard? Is it possible to plant a tree?</p> <p>B. You could have a look around you and keep a record of the plants you see. Start a blog which includes information about the place your school is and a photo and information of the plants you see.</p>		

Na última sección de cada unidade hai un apartado chamado DOCUMENTS onde se atopan os estándares, os contidos, criterios de avaliación, etc. as rubricas, en formato .pdf e .odt, para a avaliación e un listado coa procedencia de imaxes, vídeos e información o documento técnico e orientacións metodolóxicas.

Speaking of Science
Unit 4: Life
1 ESO

UNIT 4 - CONTENTS Animal Kingdom Plant Kingdom Fungi Kingdom Protist Kingdom Monera Kingdom Ecosystem Documents

UNIT 4: 1. ANIMAL KINGDOM

[Curriculum \(pdf\)](#) [Rubric \(pdf\)](#) [Credits](#)
[Rubric \(odt\)](#)

UNIT 4: 2. PLANT KINGDOM

[Curriculum \(pdf\)](#) [Rubric \(pdf\)](#) [Credits \(pdf\)](#)
[Rubric \(odt\)](#)