
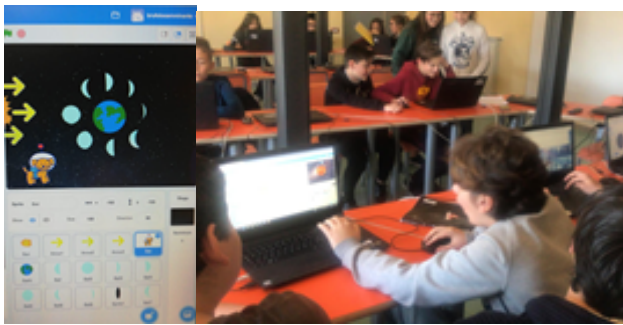
 <p>WELCOME TO THE MOON</p>	<h2 style="text-align: center;">Coding with Scratch</h2>
<p style="text-align: center;">SUBJECTS</p>	<p>Science, Technology, Engineering, Maths.</p>
<p style="text-align: center;">CLASS</p> 	<p style="text-align: center;">Second class of the secondary school</p>
<p style="text-align: center;">DURATION</p>	<p>12 hours</p>
<p style="text-align: center;">MATERIALS</p>	<p>Free programming language (Scratch) and online community (Code.org)</p>



OBJECTIVES



Students learn how to use coding not only as a tool to develop computational thinking, but also as a form of expression.

Coding helps students to improve creative thinking, to look at something in a new way and promote their curiosity. Coding also helps children with problem solving, they learn to analyze options and have to come up with a way to solve any challenges they come across. These problem-solving skills are a great benefit in their day to day lives and can help them to solve real-life situations and to improve their math skills.

Scratch is a free application, developed by the MIT Media Lab, which allows users to create and share their own interactive stories, animations and games. It is easier to use than traditional programming languages as it consists of graphical blocks which snap together.

Using “Scratch” students can produce different kind of projects (stories, games or animations) to explain various aspects of the Moon, such as phases of the Moon, origin of the Moon, movements of the Earth’s only permanent natural satellite.

- Science: the Moon, orbital characteristic, physical characteristic, formation and orbit.
- Technology: coding and computational thinking.
- Engineering: manage and build different tools.
- Mathematics: problem solving.

<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>Crea una Storia</p> </div> <div style="text-align: center;">  <p>Anima un Personaggio</p> </div> </div>	<h3 style="text-align: center;">TOPICS</h3> <ul style="list-style-type: none"> - Joining the code.org community (https://studio.code.org/courses) and following the free lessons available to learn the first steps necessary to create simple programs. - Following the lesson plans, under the supervision of the teacher, students create personal products and share them on the web.
<h3 style="text-align: center;">ASSESSMENT</h3>	<ul style="list-style-type: none"> - Students recall the main characteristic of the Moon and their effects on Earth. - Students develop problem solving,