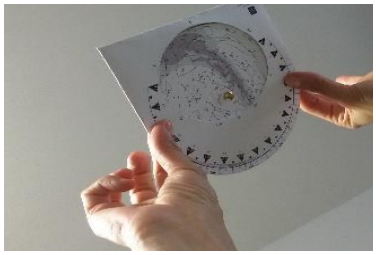
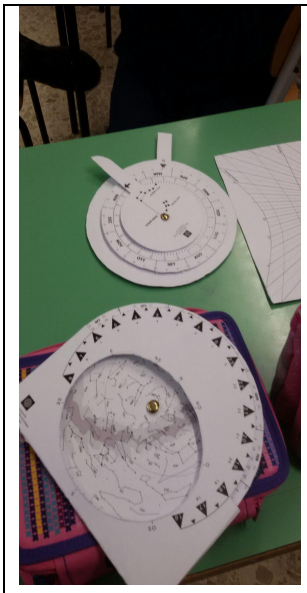
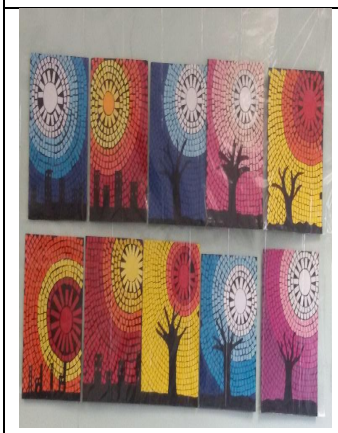
Title: 	The ancient night instruments
Class: 	5th Grade Primary school
Products:	Astrolabe and nocturnal
Tools:	Cards, adhesive paper, scissors and sample clips,glue.
How to work:	The students will work in a small group. The activities will be proposed inspired by the criteria of "modeling" and of cooperation between peers. They will have an experiential and high motivational stimulation approach.
Objectvies:	- **Sciences**: the universe - T**echnology**: use of materials and power point creations. - **Engineering**: construction of tools. - **Art:** creation of mosaics. - **Math**: knowledge and use of shapes and figures.

Description:	Part 1 Power point presentation :history of ancient astronomical instruments; VIDEO ANCIENT TOOLS Part 2 : Construction of ancient instruments: astrolabio and notturlabio. The **astrolabe** is an ancient astronomical instrument

	through which it is possible to locate or calculate the position of the celestial bodies such as the sun, the moon and the stars. It is a nocturnal clock tied above all to the constellations, it is not used during the day because the light of the sun covers the stars. To build it we use two cards in the shape of a circle, one with the constellations and the other with the hours, days and months; joined together with a sample clamp. **Notturlabio** (or nocturnal, or night clock) is a tool used in the past by sailors,to determine the time during the night. Its use depends on the ability to see the Polar Star and the Big Dipper; this is because the two stars of Ursa major, call the Pointers, are always aligned with the star Polaris, and constitute a kind of hand of a clock, which makes a complete turn every day. Video Steam Day
	Part 3 il ● Theory of the Solar System. ● Realization of power point. Video Planet News
	Part 4 Realization of artistic mosaics: the sun and the moon were the subjects that inspired the little artists - knowledge of the main flat geometric figures - knowledge of warm colors and cold Video:Original light and shadow

Assessment:	The students know the solar system, they use the power point software and they use practically shapes and figures to make products.