

Playful Learning

Team Project-Based Learning on Education for Sustainability, STEM & Arts.



King's College
The British School of Madrid

Soto de Viñuelas



Program

Playful Learning is a program that explores science, sustainability, nature, cinema or music, amongst others, through joyful play.

Fun and enjoyment are two of the cornerstones of the program that combines indoor and outdoor activities within the school grounds, as well as an optional outing offsite to explore nature during the first and last trimesters.

The program is designed so that students enjoy playing after school, working in teams as a learning formula with attractive, creative and totally innovative projects.

Methodology: <https://uno-play.com/playful-learning>



Projects

The program is formed of 8 innovative projects distributed throughout the academic year.

Learn through play to live with nature in a sustainable way with the **Green Footprint** project; design-build-test and discover the laws of nature (aerodynamic forces) with **My Kite I STEM** project; lead a professional filmmaking project with script, storyboard, rehearsals, filming, sound, lighting, red carpet and a film festival with **The Academy of Motion Picture Arts**; develop your orienteering skills with map, compass and GPS and live an extraordinary adventure in Rascafría with **En Busca del Tesoro** (first trimester full day outdoor activity); design, create and wear sustainable clothing with the **Art & Nature** project; bird watching, bird box placement, litter picking... record-edit-and-present a Nature Documentary at the Santillana Reservoir with **Planet Earth Kids** (third quarter full day outdoor activity); create a music project with **Music Studio**; undertake a building a project with thousands of bricks with **LEGO Architecture**.

Understand effective teamwork, develop your skills, define your own values, take care of nature, have fun, play and learn.



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En Busca del Tesoro

Project I | First Trimester



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October: Weeks 1 to 4

En Busca del Tesoro

A four week team-based project where students learn orienteering skills, safety in the outdoors and important concepts on education for sustainability. The project ends with a full day orienteering treasure hunt in Rascafría led by a professional mountain guide.

- Teamwork
- Education for Sustainability
- Orienteering Skills
- Map Reading
- Navigation with Map and Compass
- Navigation with GPS
- Communication with Walkie-Talkies
- Safety in the Outdoors

Treasure Hunt at the Lozoya Valley (Rascafría)
(End of project full day outdoor activity)



My Kite | STEM

Project II | First Trimester



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My Kite | STEM

A STEM team-based project that strengthens critical thinking, reasoning and responsible consumption. Design a unique kite, build it, test it and iterate (repeat the process) to implement changes and try out possibilities. Discover the laws of nature (aerodynamic forces) that make your kite fly. Once built, share it with your team mates, repair it when you need it and never throw it away. The kites also fly in teams (one on top of each other!)

- Teamwork
- Iterative play leading to deeper learning
- Basic aerodynamics
- Beaufort scale
- Responsible consumption

Read more: uno-play.com/home-learning/mi-cometa-stem



The Academy of Motion Picture Arts

Project III | First Trimester



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November: Week 4 to end of term

The Academy of Motion Picture Arts

Lead a professional filmmaking project with screenplay, storyboard, rehearsals, filming, sound, lighting, red carpet and ¡An outstanding film festival!

- Teamwork
- Creativity
- Storyboard & Screenplay Writing
- Directing & Producing
- Acting
- Sound & Lighting
- Continuity & Clapperboard
- Film Festival



Green Footprint

Project IV | Second Trimester



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January week 2 to February week 1

Green Footprint

A team-based project on Education for Sustainability where students become aware of the loss of natural habitats and climate change. The project ends with the construction and placement of bird boxes in order to restore local bird biodiversity.

- Education for Sustainability
- Teamwork
- Biodiversity
- Climate Change
- Loss of Natural Habitats

Read more: uno-play.com/home-learning/caja-nido-huella-verde



Sustainable Fashion

Project V | Second Trimester



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Sustainable Fashion

Design and create sustainable T-shirts with a professional finish including the labelling. Choose amongst a number of nature inspired designs from David Hawson (kindly donated to our educational project) and create your own designs to produce hand-made outstanding T-shirts.

According to WWF and National Geographic it takes about 2,700 litres of water to make just one T-shirt, which is enough water for one person to drink for 900 days. Understanding the water usage in textile production involved in the growth, manufacturing, transporting, and washing of cotton is key for sustainable development.

- Education for Sustainability
- Teamwork
- Reusing Clothes (by redesigning them)

Read more: uno-play.com/home-learning/art-and-nature



Music Studio

Project VI | Second Trimester



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March weeks 1 & 2

Music Studio

Music Studio is a musical project where students will have the opportunity to show their musical skills either singing or playing their favourite instrument to create and record a top-notch hit.

- Teamwork
- Creativity
- Working out of our comfort zone



LEGO Architecture

Project VII | Second Trimester



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March from week 3 to end of term

LEGO Architecture

Design and build a project with thousands of LEGO bricks. Each team will represent a construction company. Teams will tackle challenges in order to acquire bricks. A fast paced race to build the most impressive, solid and innovative project.

As a team-based activity, participants will discuss and debate, distribute roles, communicate ideas, make team decisions, collaborate, learn from mistakes, respect each other and celebrate together.

- Teamwork
- Creativity
- Problem Solving
- Communication
- Leadership



Planet Earth Kids

Project VIII | Third Trimester



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April week 3 to May week 2

Planet Earth Kids

Have you ever wanted to become an explorer and tell the world about it? Planet Earth Kids is a nature documentary directed, recorded and presented by children. The project includes a full day out at the Embalse de Santillana reservoir.

- Reporting skills
- Directing skills
- Education for Sustainability
- Bird watching
- Litter picking in nature (to raise awareness of the impact of use and throw plastic)

End of project full day outdoor activity at the Embalse de Santillana (reservoir for birdwatching and fishing).



End of Year Treasure Hunt

Friends and siblings are most welcome to play



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