



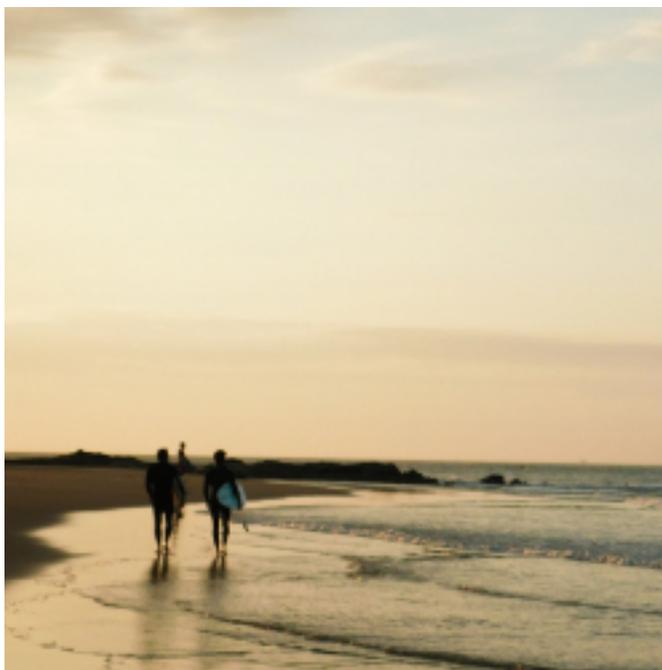
2020/21 PROGRAMME

This year, we are thrilled to be collaborating with EcoSwell to create the Design Brief based on some of the engineering design the briefs based on some of the engineering challenges in Lobitos and Piedritas, neighbouring communities on the northern coast of Peru.

We have worked with [EcoSwell](#) for a number of years and are also pleased to share that an idea from the Engineering for People Design Challenge in 2016-2017 helped to spark an initiative to improve the existing energy backup system for the local Medical Centre.

The students will have the opportunity to learn about ecotourism in this desert region and how to promote sustainable development at the local level as well as understand the impact of the coronavirus (COVID-19) pandemic on daily life.

By investigating the challenge areas, we will encourage students to consider the long-lasting consequences of both tourism and the coronavirus (COVID-19) pandemic, and tangibly see the link between engineering design and our ability as people to survive, thrive and flourish. For example, in the Food Challenge Area, students will understand about farming in a desert region and the role of engineering to rewild and regenerate natural habitat.



CHALLENGE AREAS



Built environment which includes all human-made physical spaces where we live, take leisure and work.



Food security occurs when all people have access to sufficient, safe, and nutritious food that meets their requirements for an active and healthy life in ways the planet can sustain into the future.



Reliable access to **energy**, in particular electricity, often reduces the time people spend on everyday tasks.



It is vital to address and properly manage **waste** to prevent environmental damage, health risks and the development of unsightly and undesirable areas.



Water is an essential resource, and to lead healthy lives, people need a reliable supply of clean drinking water.



Sanitation involves the safe management, treatment and eventual safe end use or disposal of water that is contaminated and presents potential health problems.



Mobility and access to **transport** infrastructure allow people and goods to move around freely.



Whilst many people benefit hugely from modern **digital** advances in information communications, some of us have not had the same opportunities.

For more information, please visit the website: www.engineering-for-people.org