

## STEM Lab Offer



### Water Treatment Lab – theory & practical.

Students learn about the importance of water and how easily it can be filtered by building their own water filtration system.

All materials provided by Gatwick, includes gravel, sand, paper napkins, cotton balls, coffee filters.



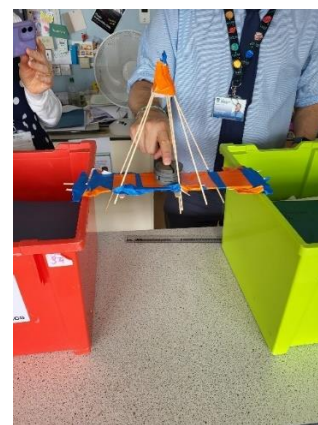
### Bridge Building Lab – theory & practical.

Students learn about the importance of bridges to communities and the stresses and strains that impact bridges.

Students build their own bridges using materials provided by Gatwick:

**Primary:** straws, playing cards, doweling, lollypop sticks, tape

**Secondary:** doweling, lollypop sticks, tape.





### Solar Power EV's – theory & practical

Students learn about the benefits of solar power and the positive advancements with electric vehicles.

Students will build their own solar power charging unit and EV, which will then be powered by the batteries charged up within their charging unit. Various components supplied to meet the needs of this activity.



**Rig Room Activities** include changing a runway light, moving water around a maze and comparing ancient and new technologies with an Archimedes Screw and a pressure pump.

We have a quarterly engineering newsletter (Engineering Explorer) we send to organisations. This newsletter tells participants about things that have been going on within engineering.

The STEM Centre is available to book for events related to STEM activities and can accommodate up to 100 people, please contact [STEM@gatwickairport.com](mailto:STEM@gatwickairport.com)