

Map of tasks through the weeks of the project

Tasks	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10
Oil production and pollution content	●									
Oil use & combustion engines	●									
Motion and simple machines		●								
Renewable energy use as an alternative approach		●								
Brief & brainstorming		●								
Students learn about electricity		●	●							
Prototype design			●	●	●					
Prototype design finalisation				●	●					
Circuit design and simulation on TinkerCAD				●	●					
Students learn about micro:bit and sensors such as the accelerometer					●					
Coding and testing of accelerometer					●	●				
Acceleration analysis						●				
Circuit assembly							●			
Circuit testing & modification						●	●			
Vehicle template design							●	●	●	
Vehicle construction and assembly								●	●	●
Preliminary vehicle testing & modification									●	●
Final vehicle testing event										●
Collation of statistics										●
Analyse vehicle stats										●
Evaluate vehicle design										●
Comparison between all vehicles										●
Unit reflection										●