

SHEET NINE – THINKING ABOUT IT

The land speed record is a challenge that attracts engineers and technicians. Humans will continue to design vehicles to travel faster on land.



To do so, they will improve the subsystems of the vehicle to maximize performance. An improvement in a subsystem (power, suspension, guidance, control or structure) improves the overall system.

Remember though, ***all decisions have tradeoffs***. A decision to improve one subsystem may adversely affect another. A change in a technological system has an impact on other systems and the environment. In our highly mobile society, we are enjoying our vehicles but we are experiencing problems. Solving these technical problems requires us to be innovative and inventive.