

RSE@Schools

How does a modern Aero-engine work?

By Dr Sabrina Malpede



During the last half century, the developments of aero-engines have not only revolutionized aviation, they have also revolutionized the world's social and economic systems.

Turbofans are the most popular and modern aero-engines today and have led to the development of mass transport. This has been possible thanks to a higher thrust force developed by a higher air-flow volume passing through the engine. Part of the air-flow is compressed and combusted, while the rest simply joins the hot flow to empower the engine thrust.

In this talk, suitable for all ages, Dr Sabrina Malpede will tell you how!

Curriculum Links

- 5-14 Science: Energy and Forces
- Standard Grade Physics: Transport
- Higher Physics: Mechanics and Properties of Matter
- Advanced Higher Physics: Mechanics