Science & Technology – some possible subject ideas

- A bit stuck up. Adhesives
- Aerodynamics. How wing sections are designed
- All about alloys. History of alloys
- Assisted suicide.
- Autonomous vehicles
- Bang! All about explosives and propellants
- Batteries – new developments
- Cancer. Causes and cures
- Chaos
- Chinese medicine
- Cloning
- Communications
- Computer security. Phishing; denial of service attacks; viruses; worms; trojans
- Concrete
- Corrosion. Moth and rust….
- Desertification
- Developments in cars
- Diecasting
- Dieting
- Drug development
- Earthquakes and earthquake prediction. Earthquake proofing buildings
- Electric cars
- Electromagnetic compatibility
- Energy storage
- Engine control units
- Engineers. Real ones, not washing machine installers
- Exoskeleton
- Famous engineers
- Famous scientists
- Fibre communications
- Fracking
- Fundamental particles. The God particle
- Fusion
- Genetic modifications
- Glass
- Global warming
- Green energy
- Hateful headlights. Disability glare
- Heat pumps
- HiFi sound – or is it?
- History of TV.
- I will talk very slowly. Hypnosis
- Inside a wind turbine. They are big and getting bigger but how do they work?
- Lean manufacturing
- LED light sources. What's new? Why are they so expensive?
- Life on Mars
- Lightning
- Logistics revisited
- MAGLEV

- Magnetism
- Materials conservation
- Memory (computer)
- Moore's law
- NASA – a history
- Natural and synthetic rubber. All about Elastomers
- Nine billion and rising. Dealing with an exploding population
- Nuclear waste
- Nuclear power
- Pain perception and management
- Passiv Haus construction – the zero energy house
- Physics is fun! Why can't we breed more physicists?
- Plastics. Commodity plastics and engineering plastics
- Privacy
- Quack medicine
- Rail transport – developments
- Recycling
- Reinforced materials. Glass; concrete; plastics
- Reuse
- Robotics
- Room temperature superconductors
- Satellites. A brief history
- Screw it! Fixings and fastenings
- Semiconductors. What are they and why they are so important
- Skin. How and why it ages. Repairing damage. Maggots and leeches at work!
- Smart materials
- Solar power – two years' experience and counting
- Super magnets
- Synthetic biology
- Texts; tweets; emails. Social networks
- The computer controlled factory
- The industrial revolution. What next?
- The internet of things
- The national grid
- Three dimensional printing
- Tidal power – sub-sea power generation
- Time on your hands – a history of the wrist watch
- Tribology. The science of lubrication
- Twentieth century inventions and developments
- Very low frequency to Xrays. The electromagnetic spectrum
- Waves.
- We love to talk. How it all started. Amateur radio. Private mobile radio. Cellular radio. Cell phones. How they work. 2G 3G 4G and way beyond
- Weather forecasting. Is it getting any better?
- When things go badly wrong. An exploration of Bad science
- Where is the internet? How did we all get connected? How stable is it
- Who was the first technologist?
- Who's watching you? Updates on surveillance techniques
- Why do engineers have such a low status in the UK?
- WiFi. How it works and some limitations