



SERVE THE PLANET 2018

Module 2: Study Circle Part 4

Energy Use in Daily Life: Technology



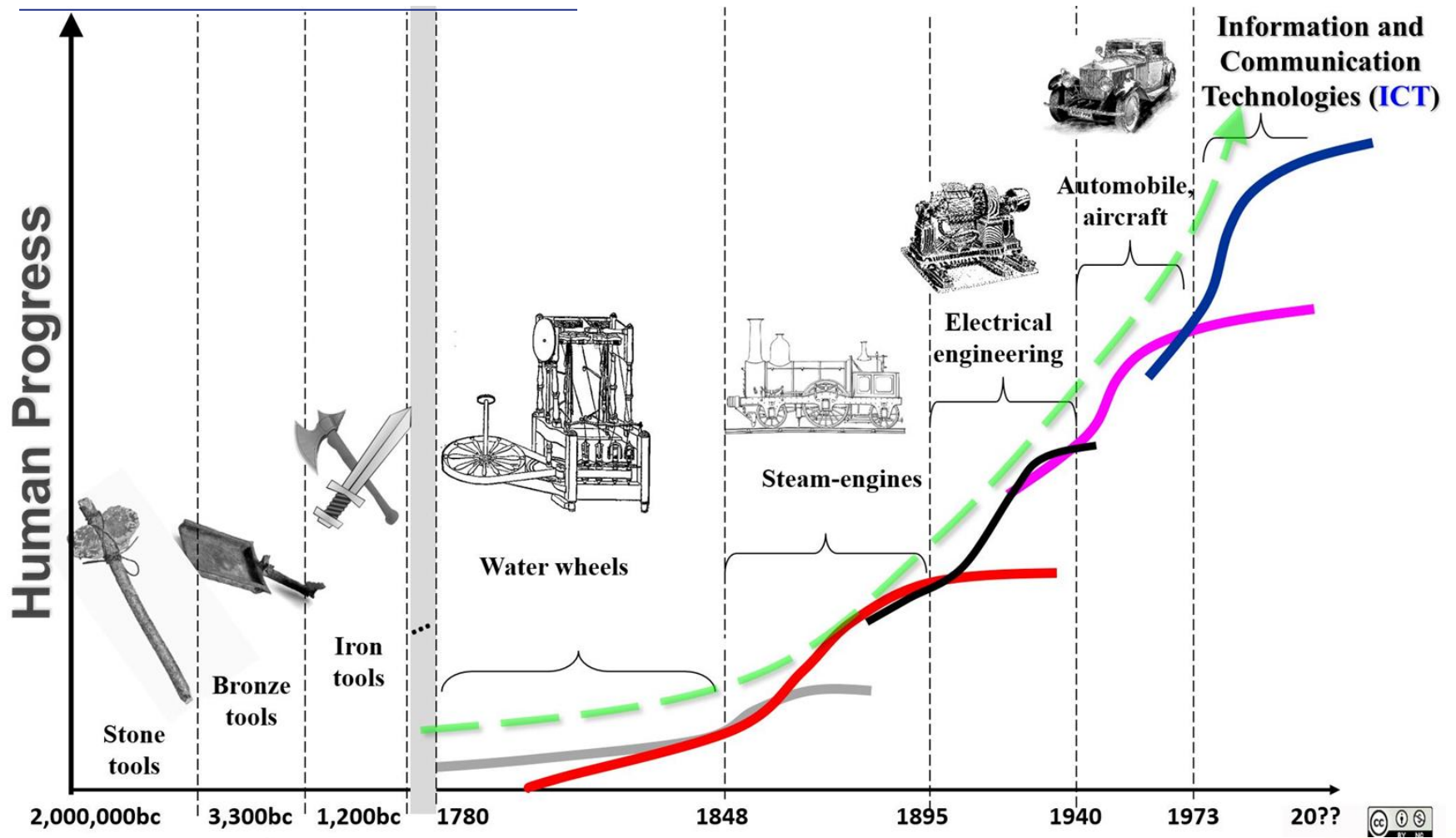
Outline

- ▶ Evolution and pros & cons of technology
- ▶ Energy consumption in relation to technological products
- ▶ Environmental issues related to technology
- ▶ The relation between technology and spirituality
- ▶ Ceiling on Desires in relation to technology
- ▶ Protecting the planet by making the best and responsible use of technology

The purpose of this study circle is to help us develop a deeper understanding of the impact of our technology use on the planet, and how it can be used responsibly to make the planet more sustainable.



Evolution of Technology

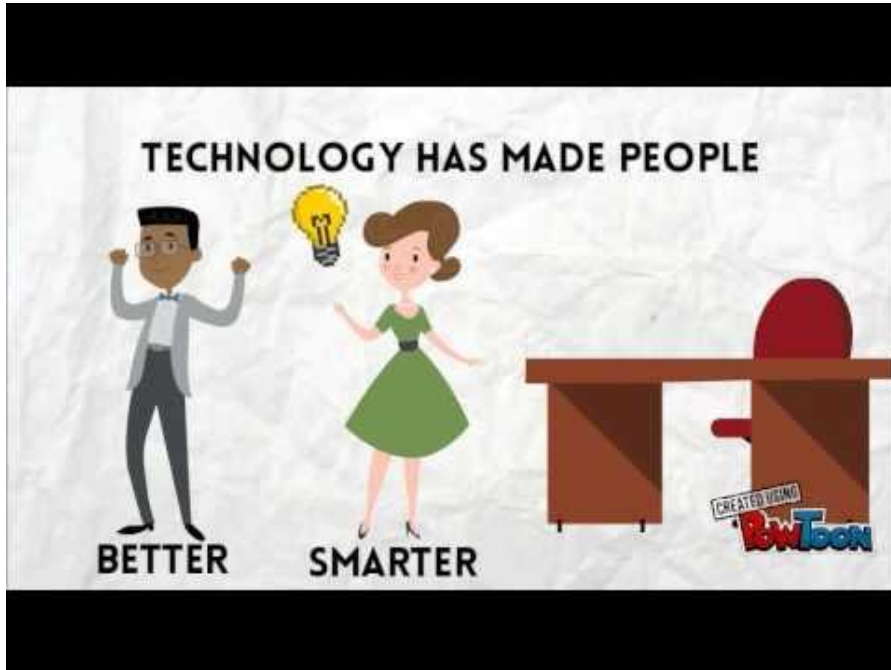


Source: Wikimedia



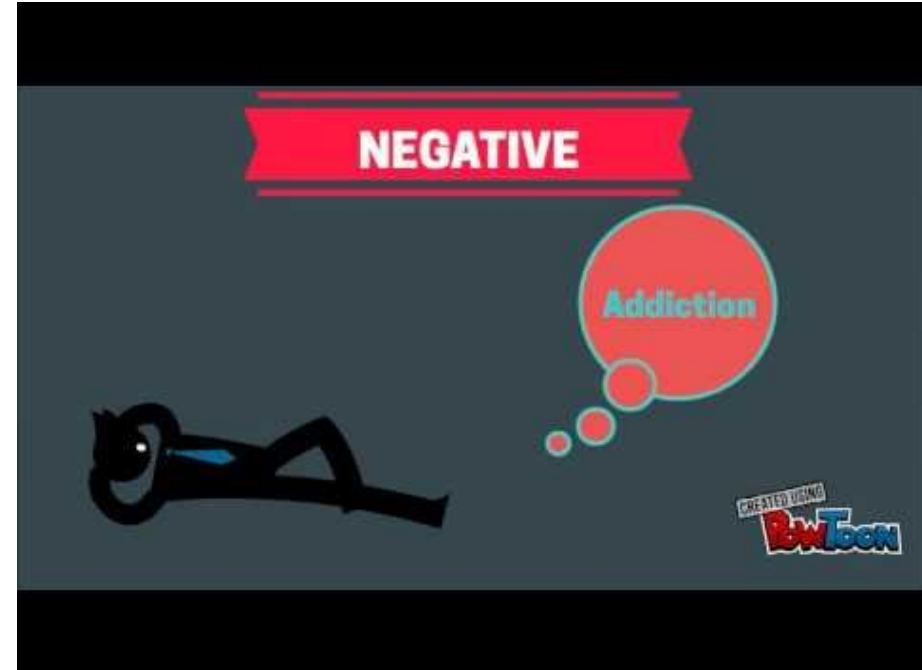
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Pros & Cons of Technology



<https://www.youtube.com/watch?v=gXQSyqNGLcl>

Video duration – 1 min 2 secs



<https://www.youtube.com/watch?v=gXQSyqNGLcl>

Video duration – 50 secs



Energy Consumption in Relation to Technological Products



Source: <https://ictfootprint.eu/en/news/solutions-energy-management-life-cycle-assessment-lca-ict-field-0>



Household Technical Products and Energy Consumption

Item	Description	Cost per Year (\$)	kWh per Day
Refrigerator	180 Watts for 24 hours a day @ \$0.10 per kWh	157.7	4.32
Microwave	1200 Watts for 30 minutes a day @ \$0.10 per kWh	21.9	0.6
Toaster	1200 Watts for 0.20 hours a day @ \$0.10 per kWh	8.76	0.24
Charger	5 Watts for 3 hours a day @ \$0.10 per kWh	0.55	0.01
Router	6 Watts for 24 hours a day @ \$0.10 per kWh	5.26	0.14
Television	30 Watts for 5 hours a day @ \$0.10 per kWh (22" LED backlit LCD display)	5.48	0.15
Laptop	60 Watts when plugged in for 6 hours a day @ \$0.10 per kWh (14-15 inch laptop)	13.14	0.36
Water heater	4000 Watts for 3 hours a day @ \$0.10 per kWh	438.05	12
Air conditioner	3500 Watts for 3 hours a day @ \$0.10 per kWh	383.29	10.5
Clothes Washer	500 Watts for 0.25 hours a day @ \$0.10 per kWh	4.56	0.13

Source: EnergyUseCalculator



Environmental Issues Related to Technology



The relation between Technology and Spirituality

The astonishing progress of science and technology has not brought with it corresponding powers of discrimination and wisdom. Man must realize that the sense organs, through which he explores the external and discovers the powers latent in Nature and the physical universe, function because of the Divinity which is immanent in them. Without the power of the Divine, the eyes cannot see, or the ears hear or the mind think." – Sathya Sai Baba (SSS 17.11: May 12, 1984)



Source: RadioSai



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Ceiling on Desires in Relation to Technological Products

REFUSE	REDUCE	RETHINK	REUSE REPURPOSE REPAIR	RECYCLE
<p>Do I need it?</p> <p>Can I afford it?</p> <p>Will I use it?</p> <p>Is it worth it?</p> <p>Will it last longer?</p>	<p>Cut down your needs</p> <p>Do not fall for things shown by advertisers</p>	<p>Do I need it?</p> <p>Is it a quality product?</p> <p>Will it last longer?</p>	<p>Can I reuse it at least after repair?</p> <p>Is there any other use?</p> <p>If you replace, donate old one</p>	<p>Recycle what can't be reused or repurposed - it diminishes the need for mining/ extraction of natural resources and energy use</p>

Respect Mother Nature and use resources wisely



How can Technology Help the Environment



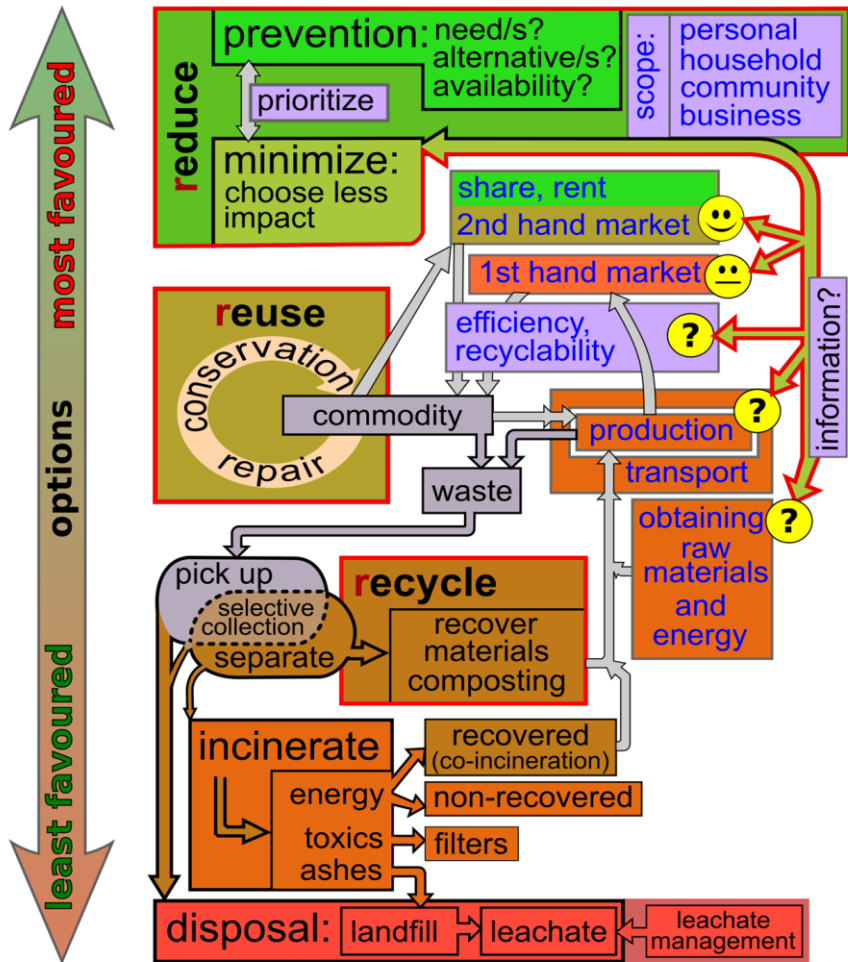
<https://www.youtube.com/watch?v=vl1dBBfjAxQ>

Video duration – 2 mins
23 secs



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How Technology can help the environment contd.



<https://www.youtube.com/watch?v=6Pif3T9bKQo>

Video duration – 1 min 45 secs



Recap

- ▶ Evolution and pros & cons of technology
- ▶ Energy consumption in relation to technological products
- ▶ Environmental issues related to technology
- ▶ Relation between technology and spirituality
- ▶ Practicing Ceiling on Desires in relation to technology
- ▶ Protecting the planet by making the best and responsible use of technology



Next Module - Module 3

- ▶ In Module 3, we will cover:
 - Mental Energy
 - Spiritual Energy



Get in Touch

If you have any questions, feedback or ideas on Serve The Planet Programme, please get in touch with the Team at servetheplanet.ssio@gmail.com

JAI SRI SAIRAM!



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