Leisure: Entertainment
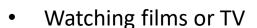
Leisure activities are things that people enjoy doing in their spare time.

This could be things like:

- Watching films or TV
- Visiting places
- Sport or exercise
- …and lots more.

- Playing games
- Listening to music
- Reading for pleasure

Image: GR_Stocks on Unsplash.

The Sustainable Development Goals

The 17 Sustainable Development Goals (SDGs) were adopted by the United Nations in 2015 as a call to "end poverty, protect the planet, and ensure that by 2030 all people enjoy peace and prosperity".

You can find out more here:
https://www.undp.org/sustainable-development-goals

Leisure and the Sustainable Development Goals

Leisure is a key part of SDG 3, **Good Health and Well-being**. This means:

- Making sure people have healthy lives
- Supporting well-being for everyone

Leisure activities such as entertainment are an important part of this!

Broadcasting and film-making

Find out how real-life engineer Jahangir makes sure people can keep watching TV in this video from This is Engineering: https://youtu.be/-6KHT336Nuk

Engineers use their skills to create realistic:
- **robotic** characters
- environments
- movie sets
- **special effects**

This often involves **mechanical** and **electrical engineering**.

You can find out more about this in a session from another of our projects, Building to Break Barriers. That's available here, and is based on the is based on the Royal Academy of Engineering's '**Engineering in the Movies**' resources and resource guide, where you can find even more information about the roles of engineers in making films.

Light and sound

Engineers use light and sound lots of ways to support entertainment. For example:

- Well-engineered **light and sound effects** help tell a film's story.
- Engineers like Orla make car sound systems a great experience.

Female engineer in anechoic chamber. © This is Engineering. Used under CC BY-NC-ND 2.0 via Flickr.

- Others like Pavlina design lighting for fashion shows, museums and art galleries.

Find out how software engineer David uses code to help people be creative with music and sounds in this video from This is Engineering: https://youtu.be/dr8Dc1IEYsA

Virtual and Augmented Reality

Virtual and augmented reality (VR and AR) give people new experiences, ways to connect with each other and creative methods.

Felicia has worked in video games, and uses VR and AR to create new worlds and connect people.

Mechanical engineer Daniela runs her own business, using software for 3D design in VR.

Minecraft Challenge

Create a place that a local community could come together for entertainment, such as watching films, playing games together, looking at displays or doing something else they enjoy.

Here are some things to think about in your design:

- What will people do there?

    - What might you need engineers for?

    For example:
    - lighting,
    - sound,
    - equipment,
    - music?

- How much space will it take up?

- Will it be indoors, outdoors, or both?

- How can you make your community leisure space sustainable?