

Purpose with AI

Structure

In this chapter, we will discuss the following topics:

- List and label multiple social issues ailing the world around us.
- Understand the purpose of responsible citizenship.
- List UN's Agenda 2030 of 17 Sustainable Development Goals.
- Identify themes and social areas affected by local and global issues.
- Gain an understanding of social issues through Board game about Sustainable Development Goals.
- Questions and Answers

Objectives

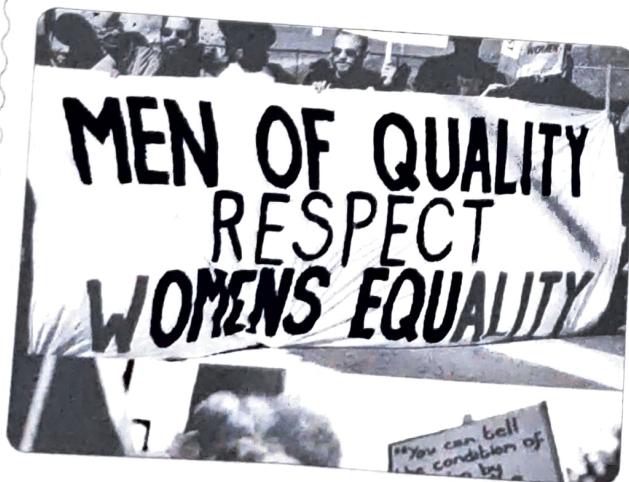
At the end of this chapter, you should be able to:

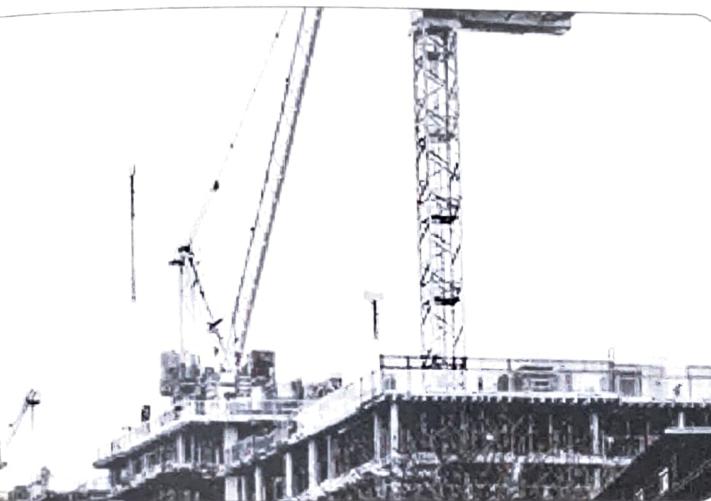
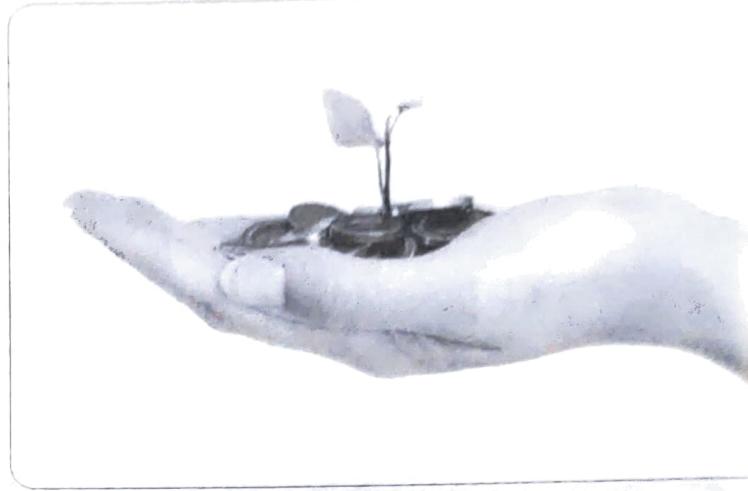
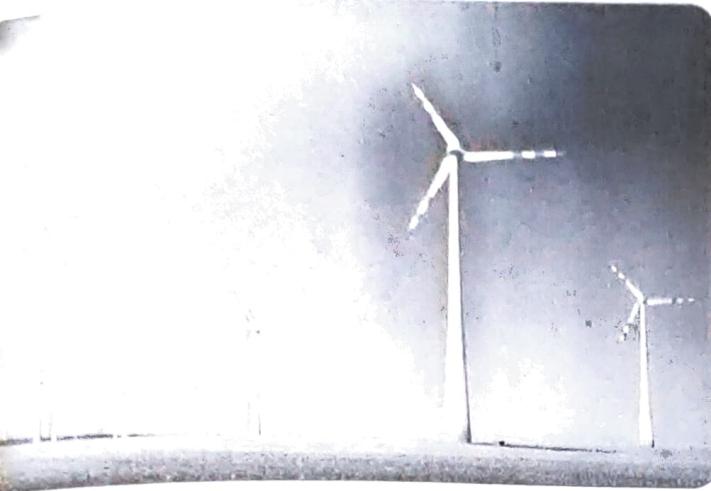
- Demonstrate the need to become responsible global citizens.
- Demonstrate, discuss, and elaborate various societal issues.
- Identify purpose and relevance of 17 SDGs.
- Understand, summarize and relate the societal issues where Artificial Intelligence can determine and solve the issues, locally and globally.

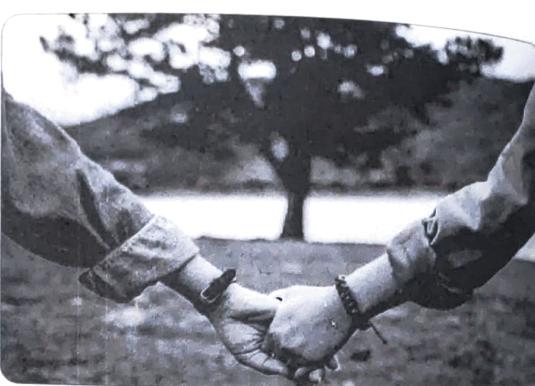
We have progressed from an agricultural to industrial to a digital age over the past 200 years. The motivation for a surge of industrial revolution has arisen from discovery and invention, hence defining new social dynamics. The scope of these innovations and advancement harbinger the transformation of an entire system of production of goods and services, political management, economic governance, societal structures, etc. that affects every sphere of human life. We need to put extreme efforts and measures to what is coming up in the next two or three years rather than focusing on what shall be the larger picture in the next decade.

As a responsible citizen, every member is expected to be an industrious, caring, conscientious and a contributing member of the society. Displaying empathy and compassion to one and all while being helpful and considerate towards one's society and environment reflects the good qualities of a good citizen. It is equally important to be a part of the change which affects the world around us.

Activity 3.1: Let us label every picture in the table with the following social themes:







Social Themes

No Poverty	No Hunger	Good Health
Quality Education	Gender Equality	Clean Water and Sanitation
Affordable and Clean Energy	Decent Work and Economic Growth	Industry, Innovation and Infrastructure
Reduced Inequality	Sustainable Cities and Communities	Responsible Consumption and Production
Climate Action	Life Below Water	Life on Land
Peace and Justice	Partnerships to achieve the Goal	

Table 3.1: Identifying Social Themes

Why should you learn about the Sustainable Development Goals?

The United Nations adopted the Sustainable Development Goals Agenda which includes 17 Sustainable Development Goals (SDGs) which came into effect from January 1, 2016. Many countries have committed to taking action to meet these goals which will aid in creating positive changes in local communities and achieving the SDGs globally by 2030.

Understanding about SDGs is vital for your learning. Some of the few reasons could be as follows:

- You need to learn about the world:

You will grow up to be adults in an interconnected and multicultural society where you will need to be aware of cultural norms and differences around the world. The SDGs are global in nature and learning about these initiatives will help you develop insights into issues around the world which are undividable from culture, and to precisely understand the SDGs, you need to learn about the world around them.

- You must be an active participant in the world you live in:

You have to be an active participant in your local and global communities to solve the world's biggest challenges. The SDGs will engage you in practical goals and problem solving by becoming a global citizen who is passionate about caring for others and society as a whole.

- You learn about empathy and compassion:

You will begin to understand the unique challenges such as poverty, hunger and quality education, etc. communities face all over the world. You will be able to inculcate empathy and build compassion which makes you a passionate, engaged adult with healthy relationships.

- You are inspired to take action:

Once you have an understanding of the SDGs and why they are necessary, you will be inspired to make positive changes in big and small ways.

Activity 3.2: Let us observe the pictures in the following table and reflect our thoughts in the following graphic organizer:



Do you think you can make the world a better place or are you satisfied with the way things are around you?

Mention some points such as clean water, equality of gender, etc. where you can play a vital role for the well-being of your community and world.



Mention your thoughts that shall make the world a better place.

Mention your actions that shall make the world a better place.

Sustainable Development Goals

The directives which are outlined under the SDG umbrella can be collectively defined as the progress that meets the requirements of the present without negotiating the capability of future generations to meet their own needs. The goals signify rigorous efforts towards building a wide-ranging, sustainable and robust future for people and its planet. The goals can be collectively achieved when three most important essentials: economic growth, social inclusion, and environmental protection are equally taken care of since they are necessary for the welfare of individuals and societies.

Certain requirements as exterminating poverty, unbiased economic growth, reducing inequalities, nurturing impartial social development and inclusion while encouraging cohesive and sustainable management of natural resources and ecosystems; our climate, land and water are important aspects to raise the standards of living.

Activity 3.3: Let us look at the following video link to understand the SDGs better.

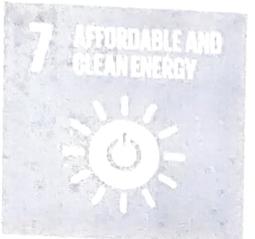
<https://youtu.be/5G0ndS3uRdo>



Figure 3.1 Sustainable Development Goals

Image Credit: https://commons.wikimedia.org/wiki/File:Sustainable_Development_Goals.png#/media/File:Sustainable_Development_Goals.png

Sr.No.	SDG	Description
1	 <p>1 NO POVERTY</p>	Poverty must be finished in all its forms everywhere; hence, implementing social protection system at national level.
2	 <p>2 ZERO HUNGER</p>	Sustainable food production and agricultural approaches should be adopted universally to end hunger and malnutrition
3	 <p>3 GOOD HEALTH AND WELL-BEING</p>	The quality of the environment along with reducing number of deaths due to air, water, and soil pollution affect the good health and well-being of all.
4	 <p>4 QUALITY EDUCATION</p>	All should have access to primary and secondary education with free access to vocational training while eliminating gender and wealth disparities.
5	 <p>5 GENDER EQUALITY</p>	Discrimination in all forms based on gender should be eradicated with equal rights to economic resources and ownership.

6	 <p>6 CLEAN WATER AND SANITATION</p> <p>Image Credit: By United Nations - UN.org/SustainableDevelopment, Public Domain, https://commons.wikimedia.org/w/index.php?curid=65335596</p>	<p>Health and wellness of all beings is a basic and critical goal with ease of access to clean water and sanitation facilities.</p>
7	 <p>7 AFFORDABLE AND CLEAN ENERGY</p> <p>Image Credit: By United Nations - UN.org/SustainableDevelopment, Public Domain, https://commons.wikimedia.org/w/index.php?curid=65335584</p>	<p>The aim is to correct the imbalance by ensuring that all have access to affordable, reliable and enhanced modern energy services.</p>
8	 <p>8 DECENT WORK AND ECONOMIC GROWTH</p> <p>Image Credit: By United Nations - UN.org/SustainableDevelopment, Public Domain, https://commons.wikimedia.org/w/index.php?curid=65335570</p>	<p>Economic growth and higher levels of productivity with technological innovations will encourage job opportunities.</p>
9	 <p>9 INDUSTRY, INNOVATION AND INFRASTRUCTURE</p> <p>Image Credit: By United Nations - UN.org/SustainableDevelopment, Public Domain, https://commons.wikimedia.org/w/index.php?curid=65335565</p>	<p>Investment in infrastructure and innovation are keys to finding lasting solutions to both economic and environmental challenges.</p>
10	 <p>10 REDUCED INEQUALITIES</p> <p>Image Credit: By United Nations - UN.org/SustainableDevelopment, Public Domain, https://commons.wikimedia.org/w/index.php?curid=65335496</p>	<p>The widening disparities need to be closed with effective policies to empower all regardless of sex, race, and ethnicity.</p>
11	 <p>11 SUSTAINABLE CITIES AND COMMUNITIES</p> <p>Image Credit: By United Nations - UN.org/SustainableDevelopment, Public Domain, https://commons.wikimedia.org/w/index.php?curid=65335475</p>	<p>All human settlements, namely, cities and communities, must be safe, inclusive, resilient, and sustainable.</p>

12		<p>Many countries are moving towards encouraging industries, businesses, and consumers to recycle and reduce waste which is equally important.</p>
13		<p>It is imperative to take urgent actions to combat climate change and its impacts.</p>
14		<p>The world's oceans play an important part in human world. It is essential to conserve seas and marine resources for sustainable development.</p>
15		<p>The main impetus is to promote, protect, and restore use of terrestrial ecosystems, manage forests, and halt and reverse land degradation and biodiversity loss.</p>
16		<p>Promoting the rule of law and human rights, reducing all forms of violence, and to work with governments and communities to end conflict and insecurity are the main keys here.</p>
17		<p>Cultivating partnerships to share ideas and foster innovation to encourage growth and trade based on coordinating policies among countries is the key here.</p>

Table 3.3: Sustainable Development Goals

1 NO POVERTY

How can you tell that someone is living in poverty?

- a) The person doesn't have a smartphone
- b) The person is not able to fulfil their basic needs, including food, healthcare, education among others
- c) The person is not well dressed



2 ZERO HUNGER

Is enough food produced in the world to feed everyone?

- a) No, because I get hungry all the time
- b) Enough healthy food is produced, but not enough sweets and fizzy drinks
- c) There is enough food but not everyone can afford to buy food



3 GOOD HEALTH

What is the average life expectancy in the world?

- a) 50 years
- b) 60 years
- c) 70 years



4 QUALITY EDUCATION

Most of the children who do not go to school live on which continent?

- a) Europe
- b) Asia
- c) America
- d) Africa



5 GENDER EQUALITY

Only one country in the world has more women than men in parliament in 2017. Which country is it?

- a) The United Kingdom
- b) Norway
- c) France
- d) Rwanda
- e) Peru



6 CLEAN WATER AND SANITATION

How can you use less water?

- a) There's no shortage of water where I live, I can use as much as I like
- b) By taking a shower rather than a bath
- c) By drinking sweetened fizzy drinks instead of water



7 RENEWABLE ENERGY

Spot the wrong answer. Clean energy can be produced with...

- a) Coal
- b) Sun
- c) Wind
- d) Waves



8 DECENT WORK AND ECONOMIC GROWTH

Should women be paid the same as men if they have the same job?

- a) Yes, men and women have the same rights
- b) No, men should be paid more because they are stronger



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

What is a sustainable factory?

- a) A factory that has been built long ago and is still functioning
- b) A factory that produces toxic waste
- c) A factory that causes no damage to the environment



10 REDUCED INEQUALITIES

What is the best way to fight poverty?

- a) Do nothing and ignore the problem
- b) Share the wealth produced in the world
- c) Prevent foreigners from entering your country



13 CLIMATE ACTION

What is renewable energy?

- a) A brand of a energy drink
- b) Energy generated from natural resources—such as sunlight and wind
- c) A source of energy with a renewable subscription fee



16 PEACE, JUSTICE AND STRONG INSTITUTIONS

Which of the following is a democracy?

- a) A country ruled by a dictator
- b) A country ruled by the people
- c) A country ruled only by men



11 SUSTAINABLE CITIES AND COMMUNITIES

How many people in developing countries live in slums?

- a) 30%
- b) 55%
- c) 80%



12 RESPONSIBLE CONSUMPTION AND PRODUCTION

Statement: there are plenty of fish in the sea.

- a) True, I can eat as many as I want!
- b) False. Overfishing, pollution and climate change are reducing the populations of fish in the oceans



14 LIFE BELOW WATER

Which of the following contribute to marine pollution...

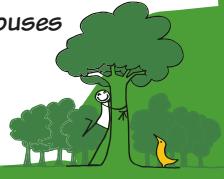
- a) Litter on the beach
- b) Jellyfish and crabs
- c) Seaweed



15 LIFE ON LAND

We must protect our forests to fight climate change because :

- a) Forests are good places to play
- b) Trees produce oxygen
- c) We need wood for building houses



17 PARTNERSHIPS FOR THE GOALS

A partnership is...

- a) When you are playing with a friend and you pretend to be parents
- b) When people and organisations support each other to achieve a common goal
- c) When two pupils eat at the same table every day



SUSTAINABLE DEVELOPMENT GOALS

1 NO POVERTY

Are there fewer people living in poverty now than there were 25 years ago?

- a) No, 1 billion more people are now living in poverty
- b) Yes, 1 billion people have been lifted out of poverty



2 ZERO HUNGER

True or false: the number of starving people in the world is decreasing.

- a) True
- b) False



3 GOOD HEALTH

Choose two things that could help stop children under 5 from dying.

- a) Nutritious food
- b) Mobile phones
- c) Clean drinking water
- d) Fizzy drinks



4 QUALITY EDUCATION

True or false: fewer girls than boys attend school worldwide.

- a) False
- b) True



5 GENDER EQUALITY

Which country was the first in the world to give women full political rights (the right to vote and be elected)?

- a) France
- b) The United States of America
- c) Finland



6 CLEAN WATER AND SANITATION

Potable water is:

- a) Water that is safe to drink
- b) Water that we can find in flower pots
- c) Water that looks clean



7 RENEWABLE ENERGY

What does energy efficiency mean?

- a) When a lamp gives a bright light
- b) When you can use energy without having to worry about your consumption
- c) A device or building that uses relatively little energy to provide it with the power it needs



8 DECENT WORK AND ECONOMIC GROWTH

If you have a job, does that mean you are safe from poverty?

- a) Yes, because you work to earn money
- b) No, you can have a job and live in poverty



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

True or false: everyone has access to the internet.

- a) True
- b) False



10 REDUCED INEQUALITIES

True or false: in the last 25 years, the number of people in extreme poverty has NOT gone down

- a) True
- b) False



13 CLIMATE ACTION

Which of the following statements is correct?

- a) Global warming doesn't exist because last winter was really cold
- b) Global warming doesn't exist because there are still global icecaps
- c) Global warming will lead to more flooding and heavy storms



16 PEACE, JUSTICE AND STRONG INSTITUTIONS

What is a child soldier?

- a) A child who plays war games with other children
- b) A child who is enrolled in an armed group
- c) Both



11 SUSTAINABLE CITIES AND COMMUNITIES

Solutions to save energy and protect the planet already exist. Which of these are not real?

- a) Bicycles
- b) Electric buses
- c) Flying cars



12 RESPONSIBLE CONSUMPTION AND PRODUCTION

How much food is wasted every day worldwide?

- a) None, as all the food is eaten or frozen
- b) One third of all food produced
- c) Very little, as people have dramatically reduced the waste



14 LIFE BELOW WATER

What is overfishing?

- a) Eating too much fish and getting sick
- b) Taking more fish out of the sea than can be replaced naturally
- c) Overfeeding fish so they get bigger



15 LIFE ON LAND

The extinction of animal species is due to...

- a) Human activities
- b) Animals eating each other
- c) The frequency emissions of mobile phones



17 PARTNERSHIPS FOR THE GOALS

How does fairtrade contribute to the SDGs?

- a) It offers better trading conditions to producers and workers
- b) It increases profits for industries
- c) It encourages producers to hire children



SUSTAINABLE DEVELOPMENT GOALS

1 NO POVERTY

How many people are living in extreme poverty worldwide?

- a) Around 800 people
- b) Around 8,000 people
- c) Over 800 million people



2 ZERO HUNGER

How many people in the world are not eating enough to be in good health?

- a) Almost 90 people
- b) Almost 9,000 people
- c) Almost 900 million people



3 GOOD HEALTH

What is best for a newborn baby?

- a) Being bottle fed
- b) Drinking water
- c) Breastfeeding



4 QUALITY EDUCATION

Education...

- a) Will make it hard for you to get a job
- b) Will help you get a job and improve your life
- c) Is only useful for very smart kids



5 GENDER EQUALITY

How many countries in the world had a woman as president or head of state in 2017?

- a) 5
- b) 20
- c) 100



6 CLEAN WATER AND SANITATION

Where does most of the wastewater resulting from human activities go?

- a) It is treated and recycled
- b) It is stored in safe places
- c) It is discharged into rivers or seas without any treatment against pollution



7 RENEWABLE ENERGY

Global warming happens mainly because of an increase of a certain gas in the atmosphere. Which gas is it?

- a) Ozone
- b) Carbon dioxide
- c) Mustard Gas



8 DECENT WORK AND ECONOMIC GROWTH

What does "economic growth" mean?

- a) You save more money every month
- b) Prices are increasing
- c) An increase in the value of goods and services produced by a country



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

True or false: everyone has access to electricity.

- a) True
- b) False



10 REDUCED INEQUALITIES

At school...

- a) Girls should learn to knit and cook
- b) Boys should learn science and technology
- c) Girls and boys should have equal learning opportunities



13 CLIMATE ACTION

Countries should make sure they use more:

- a) Coal and oil for energy
- b) Nuclear energy
- c) Energy from the sun, wind and waves



16 PEACE, JUSTICE AND STRONG INSTITUTIONS

A "blue helmet" is...

- a) A soldier who works with the United Nations to maintain peace
- b) A firefighter in the navy
- c) A child soldier



11 SUSTAINABLE CITIES AND COMMUNITIES

What is renewable energy?

- a) Energy that comes from natural sources and never runs out
- b) Energy from outer space
- c) A form of energy used by the pharaohs of ancient Egypt



14 LIFE BELOW WATER

What percentage of all the species living in the ocean have been identified?

- a) Around 5%
- b) Around 50%
- c) More than 80%



17 PARTNERSHIPS FOR THE GOALS

What has made communication among partners easier?

- a) Messenger pigeons
- b) The internet
- c) Messages in bottles



12 RESPONSIBLE CONSUMPTION AND PRODUCTION

Oil is the most polluting industry in the world. Which industry comes second?

- a) Coal extraction
- b) Textile industry
- c) Cellphone industry



15 LIFE ON LAND

Biodiversity is...

- a) The diversity of animal and plant species living on our planet
- b) The variety of healthy products you can find in a supermarket
- c) The number of planets where humans could live



SUSTAINABLE DEVELOPMENT GOALS

1 NO POVERTY

Most of the people living in poverty live in:

- a) Europe
- b) North and South America
- c) Africa and Asia



2 ZERO HUNGER

Which of these statements is true?

- a) You need at least one sweetened fizzy drink per day to stay healthy
- b) There is enough food to feed the world
- c) You can stay healthy if you don't eat vegetables and fruits



3 GOOD HEALTH

How many minutes of exercise should children between 5 and 17 do everyday?

- a) 60 minutes
- b) 30 minutes
- c) Children don't need to exercise everyday



4 QUALITY EDUCATION

Quality education is good for...

- a) Improving health
- b) Reducing poverty
- c) Both



5 GENDER EQUALITY

Who should do the cooking and cleaning in the house?

- a) The males in the house
- b) The females in the house
- c) Everyone should help out



6 CLEAN WATER AND SANITATION

Which statement is correct?

- a) More people have a mobile phone than a toilet
- b) Most people have toilets but can't afford a mobile phone
- c) Everyone has both a mobile phone and a toilet



7 RENEWABLE ENERGY

Some energy sources are renewable, why?

- a) Because they do not pollute
- b) Because they are brand new
- c) Because they can be replenished by nature in a short time



8 DECENT WORK AND ECONOMIC GROWTH

How many people are jobless worldwide?

- a) 2 million
- b) 20 million
- c) 200 million



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

Which one of these innovations is the best at fighting climate change?

- a) An electric car
- b) A diesel car
- c) A petrol car



10 REDUCED INEQUALITIES

To reduce health inequalities all children should have access to:

- a) Clean drinking water
- b) Medical care
- c) Vaccines
- d) All of the above



13 CLIMATE ACTION

Who is in charge of looking after the planet?

- a) Scientists
- b) Famous people
- c) Government officials
- d) Everyone



16 PEACE, JUSTICE AND STRONG INSTITUTIONS

What is a refugee camp?

- a) A summer camp in the mountains
- b) A camp for the protection of people when they flee from their homes
- c) A military camp



11 SUSTAINABLE CITIES AND COMMUNITIES

Where is the fastest urbanisation in the world happening?

- a) Europe
- b) The United States of America
- c) In developing countries



12 RESPONSIBLE CONSUMPTION AND PRODUCTION

Plastic bags are a big problem for our environment. Which country was the first to ban plastic bags?

- a) Sweden
- b) Russia
- c) Rwanda



14 LIFE BELOW WATER

True or false: if we do not change our habits by 2050 there will be more plastic in the ocean than there are fish.

- a) True
- b) False



15 LIFE ON LAND

Globally, forests are...

- a) Growing, there are trees everywhere
- b) Being cut down at the same rate they are being replanted
- c) Vanishing, around half of all forests have already disappeared



17 PARTNERSHIPS FOR THE GOALS

What is needed to achieve the 17 Sustainable Development Goals?

- a) The involvement of all countries
- b) The developed countries leading the change
- c) The developing countries leading the change



SUSTAINABLE DEVELOPMENT GOALS

1 NO POVERTY

In 1990, almost four in ten people (38%) lived in extreme poverty. How many people live in extreme poverty now?

- a) 1 in 10
- b) 3 in 10
- c) 5 in 10



2 ZERO HUNGER

What is malnutrition?

- a) When you don't have a three-course meal
- b) When you don't eat meat every day
- c) When you don't eat enough healthy food for a certain period of time



3 GOOD HEALTH

Which of these insects has helped spread the disease malaria?

- a) Mosquitoes
- b) Dragonflies
- c) Fireflies



4 QUALITY EDUCATION

What percentage of adults today are literate, meaning they can read and write?

- a) 80%
- b) 60%
- c) 30%



5 GENDER EQUALITY

What percentage of researchers in science and technology are women?

- a) 50%
- b) 30%
- c) 70%



6 CLEAN WATER AND SANITATION

What percentage of water in the world is potable?

- a) Only 3 %
- b) Half of all water, 50 %
- c) Almost all of it, 97%



7 RENEWABLE ENERGY

Which of these is a renewable energy source?

- a) Oil
- b) Gas
- c) Sunlight



8 DECENT WORK AND ECONOMIC GROWTH

True or false: every adult possesses a bank account.

- a) True
- b) False



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

What infrastructure is important for quality education?

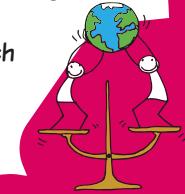
- a) Playgrounds and snacks
- b) Clean schools, teachers and books
- c) Soft beverage dispenser



10 REDUCED INEQUALITIES

We can fight inequalities by:

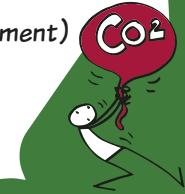
- a) Making sure that all children have access to a good education
- b) Making sure that everyone is wearing the same clothes
- c) Making sure that everyone watch the same TV



13 CLIMATE ACTION

In 2015, where did world leaders agree to a plan for our climate?

- a) Paris (Paris Agreement)
- b) London (Big Ben Agreement)
- c) New York (The Manhattan Agreement)



16 PEACE, JUSTICE AND STRONG INSTITUTIONS

What is child displacement?

- a) When a child goes on holiday
- b) When a child is displaced due to armed conflict
- c) When a child spends the night at a friend's home



11 SUSTAINABLE CITIES AND COMMUNITIES

In 2030, what percentage of the world's population will live in urban areas?

- a) 60%
- b) 100%
- c) 20%



14 LIFE BELOW WATER

Plastic bags are dangerous for turtles because sometimes they think they are...

- a) Food
- b) A toy
- c) A shell



17 PARTNERSHIPS FOR THE GOALS

Who should be involved in partnerships to achieve the 17 SDGs?

- a) Citizens
- b) Governments
- c) Companies
- d) All of the above



12 RESPONSIBLE CONSUMPTION AND PRODUCTION

How do bees help our environment?

- a) They help plants grow and make food
- b) They do not help, they just make honey
- c) They eat other insects



15 LIFE ON LAND

Trees are essential because...

- a) They are a habitat for wildlife
- b) You can climb them
- c) Plastic is produced from trees



SUSTAINABLE DEVELOPMENT GOALS

Go Goals! Game

We know that games are an integral part of our lives. It becomes very easy to learn, understand anything in a play way manner. Now as we have studied that there are 17 sustainable development goals that we have to achieve by 2030 so as to make the world a better place to live for everyone.

Activity 3.4: Let us check our understanding by playing a game called 'Go Goals!'. To play the game, we must have the game as well as know how to play it.

Pre-requisites for the game

To play this game, we need the following materials to start playing the game:

- Board Game
- Game Rule
- Dice and Token
- Question Sheets
- Scissors
- Colours
- Glue

Uses and purpose of each element of the game is given in the following table:

Board Game	It is similar to the snake and ladder board.
Game Rule	There are tokens for each player. One player will throw a dice and will keep moving on the board depending on the number that appears on the dice. The moment the ladder comes and the token will climb the ladder. If it is a waterslide, they move to the bottom of the slide. If the token reaches any of the SDGs, then the player is asked a question from the multiple choice question sheets. A correct choice from the MCQ will give a chance to throw the dice once again. The token which reaches first at 2030 is declared as the winner.
Dice and Token	The dice is used to play the game and move the token on the board. The token designates the player on the board.
Question Sheets	There are five sets of MCQs on each Sustainable Development Goals.

You need to follow the given steps and prepare your game which can be played in groups in your class. Each member in the group can take responsibility of getting one element printed.

1. Print the board game on A3 size sheet.
2. Print the dice and then create a proper dice using scissors and glue.
3. Print the player tokens and create the tokens using scissors and glue. Colour the tokens with different colours for each player.
4. Print the multiple choice question sheets.
5. This is not an online game.

Steps to get and create the game:

1. Step 1 : Open the following website and click on Downloadable Material:
<https://go-goals.org/>

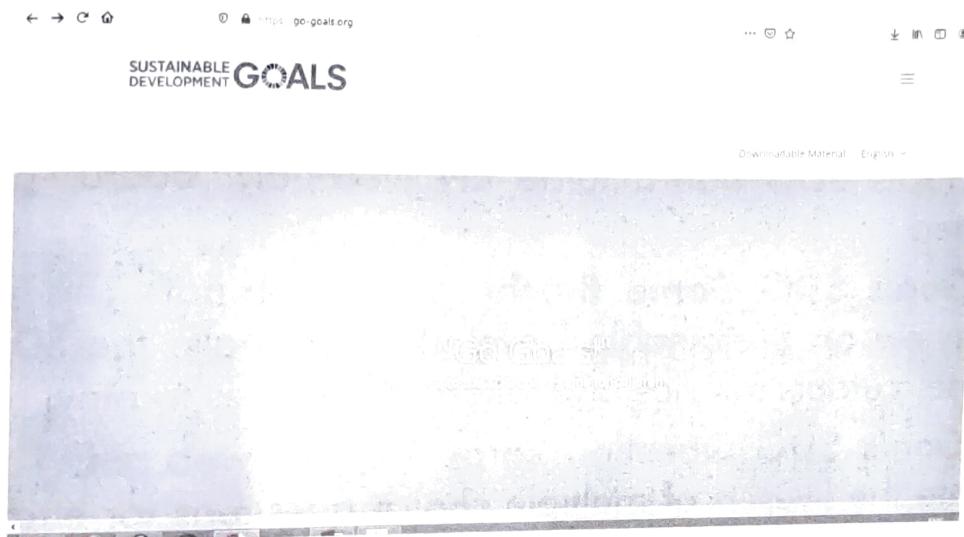


Figure 3.2: Web representation of Go Goals!! Game

2. Step 2: Now, you can either register by giving the following details or else click on the cross button and scroll down the screen. Click on Download.

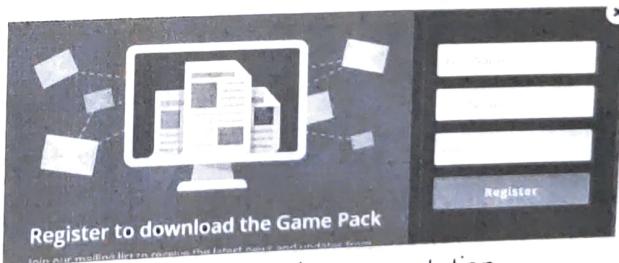


Figure 3.3: Web representation of Go Goals!! Game



Figure 3.4: Web representation of Go Goals!! Game

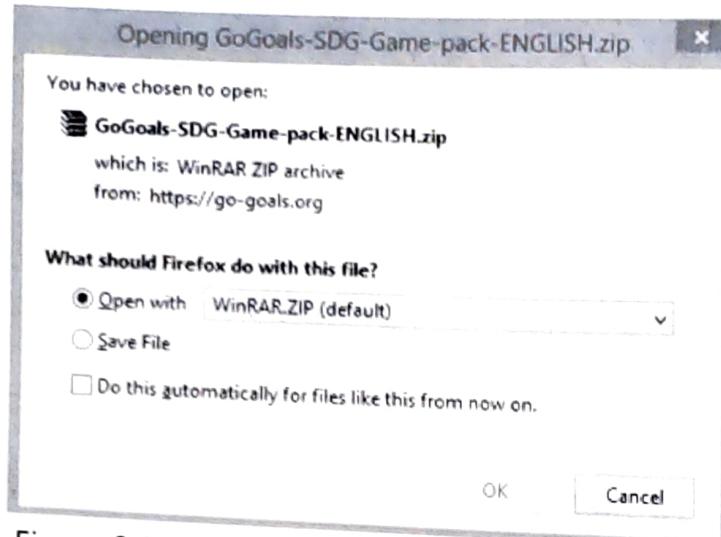


Figure 3.5: Web representation of Go Goals!! Game

4. Step 4: Open the designated folder and then unzip the file. It will show you three pdf files as follows:

- **GoGoals_SDG_BoardGame_EN_web.pdf:** Board game to be printed.
- **GoGoals_SDG_Game_Brochure_EN_web.pdf:** This will give you a review on Sustainable Development Goals, the SDG Go-Goals game, cutouts for dice and tokens, and Rules to play.
- **GoGoals_SDG_Question_cards_1-5-EN_web.pdf:** This is used to create the fivesets of multiple choice questions for each Sustainable Development Goal.

Source Credit: <https://go-goals.org/downloadable-material/>

Role of Artificial Intelligence

Artificial Intelligence presents and magnifies our understanding to solve complex and interconnected global challenges such as hunger, climate change and life on land and water to name a few. AI processes augment scenarios such as computerizing routine tasks, analyzing big data, and generating intelligent solutions to a wide range of sustainable development issues. A well-designed AI solution can play a transformative role in helping us achieve the SDGs. AI is growing exponentially and can give extraordinary results with a correct vision in mind. With the advent of technology, the scales concerning the pros and cons of using Artificial Intelligence to achieve SDGs have dipped in both directions from time to time. The sole purpose of AI usage should be to bring good to humanity as a whole. The development of such technologies should be done in such an inclusive manner that it is equally accessible by all for its benefits.

Certain SDGs have been able to fully harness the data-driven approach along with its advanced technologies to accelerate innovation at a global scale. Some workable goals like Goal no. 2, No Hunger; Goal no. 3, Good Health and well-being; and Goal no. 15, Life on Land; have given proven results where AI has been constructive in providing solutions for the challenges faced. The crop yields are sometimes affected by pests which worsen with climatic changes. AI provided solutions where the disparities were checked and solutions provided to reduce crop loss and improve food production, thus resulting in No Hunger solutions for some communities. Certain AI enabled scans have been able to detect lung cancers better than regular CT scans, thus enabling Good Health and well-being. AI-enabled cameras have been developed which help forest rangers stop any poaching in wildlife locations with real-time data generated with human interference, thus providing solutions for Life on Land. The government's role in setting policies to help reap equal benefits of AI by all plays an equally important role.

Food for thought

Activity 3.5: Let us take upon the role of a SDG commander. Identify a social theme problem in your community. Share your thoughts and plan of action that you would take to provide constructive solutions for the challenge faced.



Points to Remember

- Each and every responsible citizen is expected to be an industrious, caring, conscientious, and a contributing member of the society.
- SDG stands for Sustainable Development Goals.
- Displaying compassion and empathy towards society and environment reflects the good qualities of a good and responsible citizen.
- The UN adopted the SDGs Agenda to achieve 17 goals by 2030.
- While learning about SDGs, you become an empathetic, active and a compassionate participant in the world you live in and get inspired to take actions.
- The three pillars of SDGs are economic, environmental, and social.
- Goal 1 aims to end poverty in all its forms from everywhere.
- Goal 2 seeks to end hunger and all forms of malnutrition and double agricultural productivity.
- Goal 3 aims to reduce the number of deaths and illness caused due to air, water, and soil pollution.
- Goal 4 aims to give free primary and secondary education while eliminating gender and wealth disparity.
- Goal 5 aims to eliminate all forms of discrimination on gender.
- Goal 6 is about health and wellness of all beings with ease of access to clean water and sanitation facilities.
- Goal 7 aims to correct the imbalance by ensuring that all have access to affordable, reliable, and enhanced modern energy services.
- Goal 8 encourages entrepreneurship and job creation with technological innovations.
- Goal 9 promotes sustainable industries, investment in scientific research, and innovation, which are all important ways to facilitate sustainable development.
- Goal 10 aims at reducing inequality within and among countries.
- Goal 11 ensures all human settlements are safe, inclusive, resilient, and sustainable.
- Goal 12 aims at moving towards encouraging industries, businesses, and consumers to recycle and reduce waste, which is equally important.
- Goal 13 aims to take urgent actions to combat climate change and its impacts.
- Goal 14 aims to conserve seas and marine resources for sustainable development.
- Goal 15 aims to promote, protect and restore use of terrestrial ecosystems, manage forests, and halt and reverse land degradation and biodiversity loss.
- Goal 16 aims to promote the rule of law and human rights, reducing all forms of violence, and to work with governments and communities to end conflict and insecurity.
- Goal 17 aims to encourage growth and trade on coordinating policies using improved technology and knowledge.

- Go Goals is a game that can enhance and check the understanding of the Sustainable Development Goals.
- <https://go-goals.org/> is a website from where materials for the game can be downloaded and prepared for playing.
- Artificial Intelligence can be used to solve complex and interconnected global challenges such as hunger, climate change, life on land and life below water, etc.
- Artificial Intelligence provided solutions where the disparities were checked, and solutions provided to reduce the crop loss and improve food production, thus resulting in No Hunger.



I. Multiple Choice Questions:

1. SDG stands for:
 - a. Supplier Documentation Group
 - b. Sustainable Development Goals
 - c. Strategy Decision Group
 - d. Sustainable Design Group
2. How many SDGs are there?
 - a. 19
 - b. 12
 - c. 7
 - d. 17
3. What is the aim of Goal 1 which is about poverty?
 - a. Reduce poverty to 90% by 2030
 - b. End poverty in all its forms from everywhere
 - c. Reduce poverty to 50% by 2030
 - d. Help each nation to progress by reducing poverty
4. Which one from the following is not a part of SDG?
 - a. Climate Action
 - b. Gender Equality
 - c. Provision of Internet to all
 - d. Clean Water and Sanitation
5. Which one of the following specifically talks about equality under SDGs?
 - a. Goal 6: Clean Water and Sanitation, Goal 12: Responsible Consumption and Production
 - b. Goal 4: Quality Education, Goal 5: Gender Equality and Goal

- Go Goals is an interesting game that can enhance and check the understanding of the Sustainable Development Goals.
- <https://go-goals.org/> is a website from where materials for the game can be downloaded and prepared for playing.
- Artificial Intelligence can be used to solve complex and interconnected global challenges such as hunger, climate change, life on land and life below water, etc.
- Artificial Intelligence provided solutions where the disparities were checked, and solutions provided to reduce the crop loss and improve food production, thus resulting in No Hunger.



I. Multiple Choice Questions:

1. SDG stands for:
 - a. Supplier Documentation Group
 - b. Sustainable Development Goals
 - c. Strategy Decision Group
 - d. Sustainable Design Group
2. How many SDGs are there?
 - a. 19
 - b. 12
 - c. 7
 - d. 17
3. What is the aim of Goal 1 which is about poverty?
 - a. Reduce poverty to 90% by 2030
 - b. End poverty in all its forms from everywhere
 - c. Reduce poverty to 50% by 2030
 - d. Help each nation to progress by reducing poverty
4. Which one from the following is not a part of SDG?
 - a. Climate Action
 - b. Gender Equality
 - c. Provision of Internet to all
 - d. Clean Water and Sanitation
5. Which one of the following specifically talks about equality under SDGs?
 - a. Goal 6: Clean Water and Sanitation, Goal 12: Responsible Consumption and Production
 - b. Goal 4: Quality Education, Goal 5: Gender Equality and Goal 10: Reduced Inequalities

- c. Goal 2: Zero Hunger, Goal 7: Affordable and Clean Energy, Goal 8: Decent Work and Economic Growth and Goal 14: Life Below Water
 - d. Goal 15: Life on Land and Goal 16: Peace, Justice and Strong Institutions
6. Which one of the following is not part of Goal 15: Life on Land?
- a. Promote, protect and restore use of terrestrial ecosystems
 - b. Halt and reverse land degradation
 - c. Halt and reverse biodiversity loss
 - d. Halt the use of biotechnology and genetic engineering
7. Which one of the following is not applicable for Sustainable Development Goals?
- a. They are a legally binding international treaty that all nations are required to follow.
 - b. They encourage the promotion of health, well-being, and education for all, at all ages.
 - c. They explicitly promote innovation.
 - d. They include the development of sustainable cities, infrastructure, and industry.
8. By when the Agenda of Sustainable Development Goals is to be achieved?
- a. 2020
 - b. 2026
 - c. 2030
 - d. 2100
9. Sustainable Development Goals are designed to apply to which countries?
- a. Low- and middle-income countries
 - b. Only countries where more than 50% of the population live below the poverty line
 - c. Countries in Asia
 - d. All the countries
10. Which one of the following is not a domain of SDG?
- a. Social
 - b. Economic
 - c. Environment
 - d. None of the above



PRACTICE QUESTIONS

I. Fill in the blanks:

- a) The _____ adopted the SDG Agenda which includes _____ goals.
- b) As a _____ citizen, every member is expected to contribute towards achieving SDGs.
- c) Many countries committed for taking actions to meet these SDGs by _____.
- d) Displaying _____ and _____ to one another is a good quality of a good citizen.
- e) The SDGs are global in nature and learning so as to develop _____ and _____ around the world.
- f) In No Poverty Goal, poverty must be finished in all its forms from _____.
- g) It is imperative to take urgent actions to combat _____ change and its impacts in Goal 13: _____.
- h) The world's _____ play an important part in human world.
- i) Halt and reverse land _____ and biodiversity _____ comes under Life on _____.
- j) In Life _____, it is essential to conserve seas and marine resources for sustainable development.
- k) Games are _____ part of our lives.
- l) Each and every game can only be played with a set of _____.

II. Match the following:

- | | |
|--|--|
| 1. SDG | i. Gender Equality |
| 2. The quality of the environment along with reducing number of deaths | ii. Decent Work and Economic Growth |
| 3. Discrimination in all forms based on gender | iii. Sustainable Development Goals |
| 4. Go Goals! | iv. Sustainable Cities and Communities |

5. All human settlements must be safe, inclusive, resilient, and sustainable
6. Economic growth and higher levels of productivity with technological innovations

v. Good Health and Well-Being

vi. Game

III. Name the three pillars of sustainable development goals.

IV. Unscramble the following letters to form a word:

a. OASCLI

b. USSENTLAAIB

V. Write any three reasons for learning about SDGs.

VI. Write any two points of achievement in the following SDGs:

a. Climate Action

b. Reduced Inequalities

VII. Write the materials for Go-Goals games.

VIII. What is the purpose of the following while playing the game 'Go Goals'?

a. Board Game

b. Token

c. Question Sheets

IX. Name the website to download the materials for Go Game.

X. State any two issues of gender inequality which you have observed from your daily life. Also, write suggestion(s) to attain the gender equality.

XI. Write the name of the goal for the following:

a. Goal 1

b. Goal 12

c. Goal 16

d. Goal 8

e. Goal 3

XII. Write an example of how Artificial Intelligence can help in achieving the following:

a. Goal 1

b. Goal 7