

# SDG4 Supporting Skills – SDG Webquest



## Supporting Skills

**Sustainable Development Goals, Science, Geography, Sustainable design**

**9** INDUSTRY, INNOVATION AND INFRASTRUCTURE



**11** SUSTAINABLE CITIES AND COMMUNITIES



**12** RESPONSIBLE CONSUMPTION AND PRODUCTION



**13** CLIMATE ACTION



## Lesson Title and Summary: SDG Webquest

In this lesson, students are encouraged to begin to understand the importance of the Sustainable Development Goals (SDGs) and their influence on the current global agenda for social, environmental and economic issues.

Using inquiry-based learning techniques, the students will become more SDG literate and begin to become aware of global policy issues that will effect all they do in the future.

The lesson encourages students to navigate the Internet and provides the foundation for the module, while encouraging students to think how these goals can be implemented on a local level.

**Vocabulary:** Sustainable Development Goals; Sustainable Designs

## In this lesson, the learner will:

- become SDG literate
- develop research skills
- experience inquiry-based learning
- understand knowledge transfer and the connection between global policy to local practical action
- build the foundations for critical thinking through discussion and analysis
- practice independent & group work
- begin to understand the complexity of wicked problems in their location
- develop critical thinking about problem solving

## Materials:

- SDG Web quest
- Internet access
- Pen and paper
- Post-it notes

# SDG Webquest



## Activity Instructions

*Students will work through a web quest that will introduce them to the SDGs through autonomous learning.*

### Activity 1 SDG web quest (50 mins)

1. Using the SDG Web quest, students will work through a series of videos, active listening tasks, individual paired work and group discussion.
2. Students can also build on this lesson with other lessons in the SDG 4 supporting skills lessons - see Media box.

Reflective exercise – see below (5 mins).

### REFLECTIVE EXERCISE: 3-2-1 ( 5mins)

- Three things they feel they have learnt from the tasks.
- Two things they found most interesting and would like to explore more.
- One – their opinion they have about the tasks.

### EXTENSION / REDUCTION ACTIVITIES:

- **Reduction:** for a shorter class ,the SDGs could be split before they begin pair work and discussion.
- **Extension:** for a longer class, this lesson could link to the SDG 4 supporting skills lessons – Define the Problem or the Walking Debate.

### MEDIA BOX: (materials, online video links, extra resources, case studies etc)

- See media links on accompanying SDG Web quest
- **Ireland's SDG hub** <https://irelandsdg.geohive.ie/>
- **National Youth Council Ireland** <https://www.youth.ie/articles/coalition-2030-ireland-the-sdgs/>

### Local Trip / Expertise / Additional Work and Assessments:

Students to find examples (online) of local businesses and organisations that align with specific SDGs.

# SUSTAINABLE DEVELOPMENT GOALS (SDGs)

## WEB QUEST



### Learning about the SDGs

Your task is to discover what SDGs are, and about the specific goals we will be working with this year. We want you to become experts in these SDGs.

**General Introduction:** Please watch the following videos:

1. [https://www.youtube.com/watch?v=ry\\_9SU0eq9M](https://www.youtube.com/watch?v=ry_9SU0eq9M)

2. <https://www.youtube.com/watch?v=5G0ndS3uRdo>



Write down any key words and ideas while you are watching. Also, think about what skills you think we might need for the future.

**Key Words:**

**Future Skills:**

Write the name of each of the 17 SDGs. You can find the answers on the 17 graphic icons shown in the second video.

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.
- 10.
- 11.
- 12.
- 13.
- 14.
- 15.
- 16.
- 17.



# SUSTAINABLE DEVELOPMENT GOALS (SDGs)

## WEB QUEST



### Learning about the SDGs

Now visit:

<https://sustainabledevelopment.un.org/topics/sustainabledevelopmentgoals>

In your own words, what are the general targets for each goal (what do they hope to achieve)?

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.
- 10.
- 11.
- 12.
- 13.
- 14.
- 15.
- 16.
- 17.



Thinking about the goals and their targets, do you think are they achievable in Ireland? If yes, why? If no why not? Do you think they are achievable in the world?

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Suggest 2 things that might be done to make them achievable.

1. -----
2. -----

# SUSTAINABLE DEVELOPMENT GOALS (SDGs)

## WEB QUEST



### Learning about the SDGs

Return to the 17 goals and choose the goal that one that interests you most. Click on the coloured box to find out more, read the specific targets for that goal.

<https://sustainabledevelopment.un.org/?menu=1300>

Which SDG did you chose? \_\_\_\_\_

In your own words, why do you think the SDG you have examined matters;



- Personally? Why does it matter to you - your life and your future?

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- Locally (your place)? Why does it matter to others you know?

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- Nationally? (all around Ireland)

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- Globally?

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When you complete the web quest, find someone who chose the same goal as you and discuss the following question.

Can you think of any issues in our local community linked to the SDG you have chosen to focus on?



# SUSTAINABLE DEVELOPMENT GOALS (SDGs)

## WEB QUEST

4 QUALITY EDUCATION



### Learning about the SDGs

Finally, watch the video with your goal partner and consider the following questions. [https://](https://www.youtube.com/watch?v=ZdOQf0nOB6A)

[www.youtube.com/watch?v=ZdOQf0nOB6A](https://www.youtube.com/watch?v=ZdOQf0nOB6A)



What do you care about most?

Can you think of 10 ideas you care about to help our local community and meet the targets for the SDG you have chosen to focus on?

1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				