

Workbook for hubs

# NOBEL PRIZE TEACHER SUMIT 2022

An online programme with a mix of short lectures, panels, and discussions

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# One Earth – Teachers for Change

# Teaching strategies for a holistic approach towards a sustainable tomorrow.

In a constantly changing world, finding sustainable ways of living is crucial. Everything is intertwined. Sustainability is not only about environmentalism. To achieve a sustainable and better tomorrow for coming generations, it is urgent that we work together.

A holistic approach is needed – one that considers ecological as well as social and economic dimensions. No aspect of life can be disregarded. What role can teachers play in bringing about change? How can education be the driving force for a sustainable future?

These are the core questions of the Nobel Prize Teacher Summit 2022. Because we are confident that the unique position of teachers is crucial in this global transformation.

This workbook is a tool for you to use along with the recorded version of the summit. It is divided into chapters to facilitate discussions after each talk.

More material from the speakers can be found at <u>nobelprizemuseum.se/en/presentations-2/</u>

# We hope you enjoy it!



VIDAR HELGESEN Executive Director of the Nobel Foundation.

Norway's former State Secretary in the Ministry of Foreign Affairs, Minister of European Affairs and Minister of Climate and the Environment.

# Introduction

Vidar Helgesen and the Nobel Prize Museum team 10 minutes

#### Welcome to the Nobel Prize Teacher Summit 2022!

We are in the process of disconnecting Earh's life support systems. For a long time we did that unknowingly. Today, we can't say that anymore.

Carin Klaesson, Content Manager of Public Programs, Pontus Thunblad, Acting Education Director, Gustav Källstrand, Chief Program Editor and Isak Petersson, Museum Educator at the Nobel Prize Museum introduces us to the programme.



PARUL SHARMA CEO at the Academy for Human Rights in Business, Chair of Amnesty International Sweden.

Parul Sharma is one of the most influential sustainability experts in Sweden and is regularly interviewed by media and news channels. In 2017 she was ranked the second most influential sustainability leader, right after the Minister of Financial Markets and Consumer Affairs. Between 2020–2022 she has been ranked and awarded most influential in Sweden within areas of social change, development, and human rights.

# Can't we just stop consuming?

Interview 20 minutes

Is economic growth healthy for us as humans? Consumption is the main driver for emissions and climate change and consumption has become an addiction. At the Nobel Prize Teacher Summit, Sharma argues that economic growth needs to be discussed in terms of human well-being and elaborates on how activism is a pragmatic way to solve problems and bring about change.

Questions to discuss:

- 1. How can we as humans shift to a need-based approach instead of a want-based approach to consumption?
- 2. Is legislation the way?
- 3. How do we produce the leaders the world need?
- 4. How can teachers help start a movement?



#### TIM GORE

Head of the Climate Change and Circular Economy Programme at the Institute for European Environmental Policy (IEEP).

Tim Gore's recent work has focused on global carbon inequality – providing estimates of the unequal responsibility for carbon emissions among individuals in different global income groups – which has been widely cited, including by the UN Secretary General, the International Panel on Climate Change (IPCC) and Greta Thunberg, among others. Gore has worked with politicians, major companies and civil society partners on tackling climate change and human rights crises around the world.

# Fighting inequality and the climate crisis

#### Lecture 20 minutes

Those who are the least responsible for causing the problem are the ones that are worst affected by it. Gore argues that the heart of the discussion should be how we talk about this problem, how we teach about this problem and how we design solutions to this problem.

#### Questions to discuss:

- 1. How can we instill a feeling of greater responsibility in those who are the most responsible?
  - a. Countries
  - b. People
  - c. Generations
  - d. Gender
  - e. Companies

- How can we empower those who are most affected?
  a. Countries
  - b. People
  - c. Generations
  - d. Gender
  - e. Companies



TIM GORE Climate Change and Circular Economy Expert



PARUL SHARMA Human Rights Lawyer



SHEPHERD URENJE Specialist on Education for Sustainable Development

# What competences do our students need?

Panel discussion 15 minutes

Questions to discuss:

- 1. Listening to the panelists what competences do you think are the most important for your students?
- 2. Have you thought about any other skills that our students need?
- 3. Do you disagree with the panelists in any regard?



ESTHER DUFLO AND ABHIJIT BANERJEE Economy Prize laureates and poverty fighters Esther Duflo and Abhijit Banerjee received the Sveriges Riksbank Prize in Economic Sciences in Memory of Alfred Nobel 2019 for their experimental approach to alleviating global poverty.

# Sustainable economy - what is that?

Interview 20 minutes

Duflo and Banerjee reflect on their own experiences from school and share their insights on how injustices affect the conditions for different people to find and make use of their talent – and how this has been an engine for their work.

Questions to discuss:

The laureates stem from two very different systems – What type of learning environment do you think foster the competences we need for a bright future for the earth?

#### TEACHER PANEL:



PETRA NYGÅRD School leader, Mälardalen International School, Sweden



EMELIANA NÉMETH Teacher, Bina Bangsa School, Indonesia



BARBARA REID Teacher, Winnacunnet High School, USA

# What do we do today - what do we do tomorrow?

Panel of teachers 10 minutes

Questions to discuss:

Listening to the colleagues from different parts of the world – How do you work today? How do you work tomorrow?



DIDIER QUELOZ Nobel Prize in Physics 2019

In 1995, Michel Mayor and Didier Queloz announced the first discovery of a planet outside our solar system, an exoplanet, orbiting a solar-type star in our home galaxy, the Milky Way. Since then, over 4,000 exoplanets have been found in the Milky Way. Eventually, we may find an answer to the eternal question of whether other life is out there.

# Earth: A planet among others

Interview 20 minutes

Evolution has fitted the recipe for all life on Earth to this very planet and there is no escape from it – we have to make it work. Queloz talks about how society is driven by technology and that we all adapt to easily available technology such as cars or cellphones. He uses this example to describe how – as a scientist – it is crucial to be able to accept discoveries that force us to reset and re-evaluate how we perceive our world and our surroundings.

#### Questions to discuss:

How do we create an environment where we are less bound by the technology and solutions we already use – and more open to how new technology can contain solutions to shift the way we do things?



MARIA GUNTHER Science Editor, Dagens Nyheter

Maria Gunther is a writer and journalist. In the spring of 2020, she published her second book – *Smart. What science says about intelligence*. She has a degree in engineering physics, and has been a researcher at the particle physics laboratory CERN in Geneva.

# In journalism we trust?

Interview 15 minutes

In this interview, Gunther reflects on the role and challenges of journalism today and how claims from different sides distract and confuse.

Questions to discuss:

How we receive news - and what sources we use shape our view of the world.

- 1. What sources do your students use?
- 2. Which role does journalism play to enhance scientific facts in your classroom?



PER ESPEN STOKNES Director of the Centre for Sustainability and Energy at the Norwegian Business School in Oslo.

Per Espen Stokhes is a TED Global speaker, a psychologist with PhD in economics, and serves as the director of Centre for Sustainability and Energy at the Norwegian Business School in Oslo. He has served as member of Norwegian Parliament, and on the EU Commission's mission board on Horizon Europe's Climate Change and Societal Adaptation.

# Why is it so hard to make people engaged in the climate?

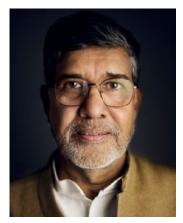
Interview 25 minutes

We need to be realistic about the human brain. According to Stoknes, scientists are not, and a lot of teachers are not either. "The Climate" is an abstract and psychologically distant phenonemon and we need to approach the way we communicate about the climate crises in order to bring it closer to ourselves.

#### Questions to discuss:

How can we as teachers mitigate these distances and make the climate crises less abstract in terms of:

- a. Time
- b. Space
- c. Influence
- d. Impact



KAILASH SATYARTHI Nobel Peace Prize 2014

Kailash Satyathi has been at the forefront of the global movement to end child slavery and exploitation since 1980, when he gave up a lucrative career as an electrical engineer to initiate a crusade against child servitude. He shared the Nobel Peace Prize 2014 with Malala Yousafzai for his work in fighting child labour.

# Where to start?

#### Interview 25 minutes

Listen to the inspirational interview with Kailash Satyarthi about how his movement started and what it has accomplished so far.

#### Questions to discuss:

- 1. In your classroom how do you discuss every person's choice as a driver to make change?
- 2. How do we as teachers create awareness about how each choice we make has an impact?

Find more at: <u>nobelprizemuseum.se/en</u> <u>nobelprize.org/educational</u>

NOBEL PRIZE MUSEUM