

THE
NOBEL
PRIZE

Workbook for hubs

NOBEL PRIZE TEACHER SUMMIT 2021

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

NOBEL PRIZE TEACHER SUMMIT 2021

In The Flood of Facts

Teaching strategies to navigate towards knowledge between scientific facts, personal values and conspiracy theories.

A complex world requires sharp navigational skills. Fast newsflashes, complex disputes, disinformation and polarized values can make the flood of facts difficult to assess. The 2021 Nobel Prize Teacher Summit is all about how we teach these skills.

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 and, suggests themes for these discussions.

The slides from the speakers can be found at <https://nobelprizemuseum.se/en/online-teacher-summit-in-the-flood-of-facts/>

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

Welcome to the Nobel Prize Teacher Summit 2021!

An introductory speech by Vidar Helgesen. The world needs scientific breakthroughs to solve the major challenges that humanity faces, for example the climate issue and most recently the coronavirus. We need a critical approach, with debate and decisions based on knowledge, at a time when falsehoods spread like wildfire. We also need to strengthen free expression, which is being suppressed by more and more governments. The world needs peaceful dialogue and interaction when facing global challenges, and quality education is key to achieve this.

Annika Hedås Falk, Education Director at the Nobel Prize Museum introduces us to the programme together with Museum Educators Pontus Thunblad and Anna Ålander.



ANDREAS ÖNNERFORS
Professor in Intellectual History and
expert on conspiracy theories

Andreas Önnorfors has extensively researched the link between radicalization into violent extremism and conspiracy theories as well as their artistic expressions. He has written a report on conspiracy theories and COVID-19 for the Swedish civil contingency agency MSB and is involved in various projects countering the negative influence of conspiracy culture in society and education.

The white rabbit – countering conspiracy theories

Short lecture, 15 minutes

We listen to Andreas Önnorfors, Professor in Intellectual History and expert on conspiracy theories. Önnorfors will talk about how conspiracy theories are meaning-making narratives, offering explanations of what is true and false but also what is good and evil. In developing counterstrategies, we need to navigate between approaches related to areas like source criticism, psychological and existential values.

Questions to discuss:

1. Which of the twelve elements of conspiracy theories, according to professor Önnorfors, have you seen students express?



PATTERNS
- everything fits together



THE PLAN
- everything happens intentionally



THE PLOT
- a group of people have planned everything together



EVIL INTENTIONS
- someone wants to harm us



SECRECY
- someone wants to hide something from us



PROOF
- there are facts that prove the conspiracy



DUALISM
- everything is black or white



SCAPEGOATS
- it's someone else's fault



DEMONISATION
- the guilty are evil



THE COLLAPSE OF THE SYSTEM
- society is heading towards its ultimate end

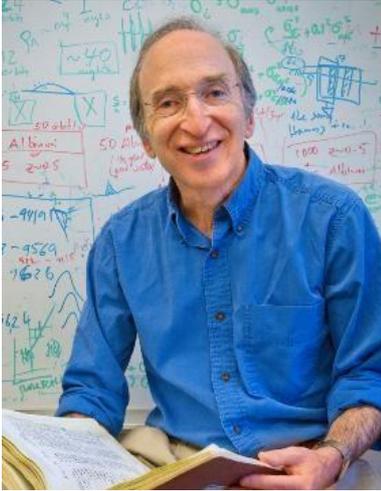


THE TRUTH-SAYERS
- the good side has seen through the conspiracy



THE OCTOPUS, THE DAGGER AND THE PUPPET MASTER
- the imagery of conspiracy theories

Notes:



SAUL PERLMUTTER
Professor of Physics at UCLA and was awarded the 2011 Nobel Prize in Physics "for the discovery of the accelerating expansion of the Universe through observations of distant supernovae."

Saul Perlmutter received his PhD from the University of California, Berkeley in 1986. He conducted his Nobel Prize-awarded research at Lawrence Berkeley National Laboratory. Saul Perlmutter is a co-founder of the Supernova Cosmology Project.

Scientific-style critical thinking

Lecture, 20 minutes

Saul Perlmutter is Professor of Physics at UCLA and was awarded the 2011 Nobel Prize in Physics "for the discovery of the accelerating expansion of the Universe through observations of distant supernovae."

Being able to distinguish facts from values is crucial in a democratic society. What can we learn from the scientific method when we develop strategies to tell facts from values? How can we teach critical thinking in a better way?

Questions to discuss:

1. Professor Perlmutter states that science is advancing quickly, creating new topics that have the potential to change our lives. But that can also be a challenge. In what way, do you think?
2. How do you teach critical thinking to your students?
3. Would you be interested in learning more about scientific-style critical thinking?

Notes:

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For the greatest benefit to humankind