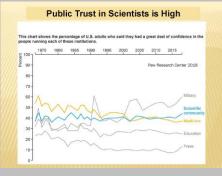
Teaching Astronomy in the Age of Misinformation Chris Impey, University of Arizona

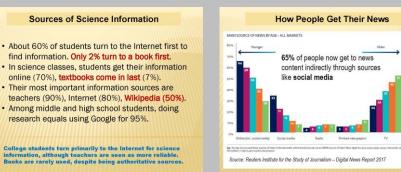
ASTROEDU Toronto, Canada 2023

Science and the General Public





Source of Information and Misinformation



<figure><figure>

And They Question Settled Science

don't

believe in evolution

are unsure or

don't believe in

global warming

AP-GfK Poll

don't think

the Big Bang

happened

doubt the Earth

is billions of

years old

Not Speaking the Same Language

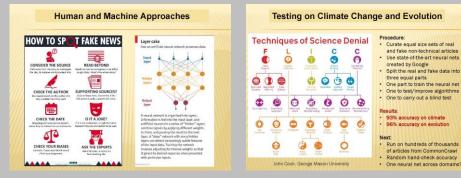
Scientific term	Public meaning	Better choice
enhance	improve	intensify, increase
aerosol	spray can	tiny atmospheric particle
positive trend	good trend	upward trend
positive feedback	good response, praise	vicious cycle, self-reinforcing cycle
theory	hunch, speculation	scientific understanding
uncertainty	ignorance	range
error	mistake, wrong, incorrect	difference from exact true number
bias	distortion, political motive	offset from an observation
iign	indication, astrological sign	plus or minus sign
values	ethics, monetary value	numbers, quantity
nanipulation	illicit tampering	scientific data processing
scheme	devious plot	systematic plan

Ghost 141,000,000 126,000,000 Auras UFO/UFOs 45,500,000 Tarot Cards 38,100,000 Astrology 30,500,000 Paranormal 28 700 000 Psychic 21.800.000 Divination 21,000,000 Reiki 19,700,000 Reincarnation 16,600,000 Acupuncture 16.300.000 14.100.000 Christian Science Chiropractic 13,900,000 Séance 10,400,000

The Internet is Full of Pseudoscience

The sum of the top 100 terms is 1.3 billion pages. The number of "Science" pages is less, 1.1 billion.

Mitigation by Machine Learning





Browser Extension and Smartphone App

