William Shakespeare

1700 words to his credit due to an OED editorial position.
"THE 21ST CENTURY IS FACING A PLAGUE OF CREDOUS THINKING"
TRUTH & TRUTHINESS & POST-TRUTH

INFORMATION LITERACY IN THE 21ST CENTURY

MICHAEL R. CLARK
<table>
<thead>
<tr>
<th>Term</th>
<th>Definition</th>
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<tbody>
<tr>
<td>Truth</td>
<td>Objective, verifiable, provable with evidence</td>
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<tr>
<td>Truthiness</td>
<td>The feeling that something is true regardless of evidence</td>
</tr>
<tr>
<td>Post-Truth</td>
<td>The complete disregard of facts in favour of an emotional response</td>
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</tbody>
</table>
Since the 60’s, the role of the librarian has expanded with technology.

Web 2.0 created an internet focused on interaction and sharing.

Blogging transformed information distribution into an opinion rather than fact based system.
The editorial procedure of "Old Media" is largely absent from "New Media."

An inherent and misplaced trust in anything that is "published."

61% Millennials use Facebook as primary source for news
Bernie Sanders Could Replace President Trump With Little-Known Loophole

huffingtonpost.com

59% Links shared on social media that are not read

Social media bubbles promote misinformation which reaffirms a previously held belief
25% of high school students knew what a Verified Account is.

"stunning and dismaying consistency"

80% of middle school students can't tell between a real news article and fake.
Google gives thousands of results; Siri responds to most questions. Students don't know how to look for information.
"By faking or neglecting peer review, they pollute the scholarly record with fringe or junk science and activist research"
- Authority Is Constructed and Contextual
- Information Creation as a Process
- Information Has Value
- Research as Inquiry
- Scholarship as Conversation
- Searching as Strategic Exploration
Plausibility Check

- Does that seem right?
- Is it suspicious in any way?
- What isn’t being included here?
- Could there be an alternative explanation?
- Nov 2016: comments during a Q&A following a lecture at Cambridge
- Similar comments made in both 2014 and 2012
- Hawking is a Mathematician, Cosmologist and Theoretical Physicist.
- Expertise in one field does not equal expertise in all fields.
- 1998: published in Lancet connecting MMR to autism
- Began the “Anti-Vaxxer” movement
- Noted a significant rise in diagnosed cases of autism from 1970 to the modern day
- Entire methodology was unethical and flawed.
“utterly clear, without any ambiguity at all, that the statements in the paper were utterly false”
- 1993: small letter published in Nature
- Small study that made no conclusions
- Data was misinterpreted in a 1997 popular publication
- Two separate meta-studies dispelled any ambiguity
- 2011: OPERA team announced unexplainable discovery
- Submitted the data for peer-review
- Recognized that the data was beyond their ability to interpret
- Five other labs replicated the test
- Based on results of peer-review, OPERA was able to identify the fault
Works Cited


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