

The Challenge That's Bigger Than Fake News

Civic Reasoning in a Social Media Environment

BY SARAH MCGREW, TERESA ORTEGA, JOEL BREAKSTONE, AND SAM WINEBURG

Since the November 2016 presidential election, coverage of “fake news” has been everywhere. It’s hard to turn on the TV without hearing the term. Google and Facebook have pitched plans for fighting the menace.¹ State legislators have even introduced bills to mandate K-12 instruction on the topic.²

Fake news is certainly a problem. Sadly, however, it’s not our biggest. Fact-checking organizations like Snopes and PolitiFact can help us detect canards invented by enterprising Macedonian teenagers,³ but the Internet is filled with content that defies labels like “fake” or “real.” Determining who’s behind information and whether it’s worthy of our trust is more complex than a true/false dichotomy.

For every social issue, there are websites that blast half-true headlines, manipulate data, and advance partisan agendas. Some of these sites are transparent about who runs them and whom they represent. Others conceal their backing, portraying themselves as grassroots efforts

Sarah McGrew co-directs the Civic Online Reasoning project at the Stanford History Education Group, where Teresa Ortega serves as the project manager. Joel Breakstone directs the Stanford History Education Group, where his research focuses on how teachers use assessment data to inform instruction. Sam Wineburg is the Margaret Jacks Professor of Education at Stanford University and the founder and executive director of the Stanford History Education Group.



when, in reality, they're front groups for commercial or political interests. This doesn't necessarily mean their information is false. But citizens trying to make decisions about, say, genetically modified foods should know whether a biotechnology company is behind the information they're reading. Understanding where information comes from and who's responsible for it are essential in making judgments of credibility.

The Internet dominates young people's lives. According to one study, teenagers spend nearly nine hours a day online.⁴ With optimism, trepidation, and, at times, annoyance, we've witnessed young people's digital dexterity and astonishing screen stamina. Today's students are more likely to learn about the world through social media than through traditional sources like print newspapers.⁵ It's critical that students know how to evaluate the content that flashes on their screens.

Unfortunately, our research at the Stanford History Education Group demonstrates they don't.* Between January 2015 and June 2016, we administered 56 tasks to students across 12 states. (To see sample items, go to <http://sheg.stanford.edu>.) We collected and analyzed 7,804 student responses. Our sites for field-testing included middle and high schools in inner-city Los Angeles and suburban schools outside of Minneapolis. We also administered tasks to college-level students at six different universities that ranged from Stanford University, a school that rejects 94 percent of its applicants, to large state universities that admit the majority of students who apply.

When thousands of students respond to dozens of tasks, we can expect many variations. That was certainly the case in our experience. However, at each level—middle school, high school, and college—these variations paled in comparison to a stunning and dismaying consistency. Overall, young people's ability to reason about information on the Internet can be summed up in two words: *needs improvement*.

Our "digital natives"[†] may be able to flit between Facebook and Twitter while simultaneously uploading a selfie to Instagram and texting a friend. But when it comes to evaluating information that flows through social media channels, they're easily duped. Our exercises were not designed to assign letter grades or make hairsplitting distinctions between "good" and "better." Rather, at each level, we sought to establish a reasonable bar that was within reach of middle school, high school, or college students. At each level, students fell far below the bar.

Determining who's behind information and whether it's worthy of our trust is more complex than a true/false dichotomy.

In what follows, we describe three of our assessments.⁶ Our findings are troubling. Yet we believe that gauging students' ability to evaluate online content is the first step in figuring out how best to support them.

Assessments of Civic Online Reasoning

Our tasks measured three competencies of civic online reasoning—the ability to evaluate digital content and reach warranted conclusions about social and political issues: (1) identifying who's behind the information presented, (2) evaluating the evidence presented, and

(3) investigating what other sources say. Some of our assessments were paper-and-pencil tasks; others were administered online. For our paper-and-pencil assessments, we used screenshots of tweets, Facebook posts, websites, and other content that students encounter online. For our online tasks, we asked students to search for information on the web.

Who's Behind the Information?

One high school task presented students with screenshots of two articles on global climate change from a national news magazine's website. One screenshot was a traditional news story from the magazine's "Science" section. The other was a post sponsored by an oil company, which was labeled "sponsored content" and prominently displayed the company's logo. Students had to explain which of the two sources was more reliable.

Native advertisements—or ads craftily designed to mimic editorial content—are a relatively new source of revenue for news outlets.⁷ Native ads are intended to resemble the look of news stories, complete with eye-catching visuals and data displays. But, as with all advertisements, their purpose is to promote, not inform. Our task assessed whether students could identify who was behind an article and consider how that source might influence the article's content. Successful students recognized that the oil company's post was an advertisement for the company itself and reasoned that, because the company had a vested interest in fossil fuels, it was less likely to be an objective source than a news item on the same topic.

We administered this task to more than 200 high school students. Nearly 70 percent selected the sponsored content (which contained a chart with data) posted by the oil company as the more reliable source. Responses showed that rather than considering the source and purpose of each item, students were often taken in by the eye-catching pie chart in the oil company's post. Although there was no evidence that the chart represented reliable data, students concluded that the post was fact-based. One student wrote that the oil company's article was more reliable because "it's easier to understand with the graph and seems

*The Stanford History Education Group offers free curriculum materials to teachers at <http://sheg.stanford.edu>. Our curriculum and assessments have more than 4 million downloads. We initiated a research program about students' civic online reasoning when we became distressed by students' inability to make the most basic judgments of credibility.

[†]For more about the myth of "digital natives," see "Technology in Education" in the Spring 2016 issue of *American Educator*, available at www.aft.org/ae/spring2016/debruyckere-kirschner-and-hulshof.

more reliable because the chart shows facts right in front of you.” Only 15 percent of students concluded that the news article was the more trustworthy source of the two. A similar task designed for middle school students yielded even more depressing results: 82 percent of students failed to identify an item clearly marked “sponsored content” as an advertisement. Together, findings from these exercises show us that many students have no idea what sponsored content means. Until they do, they are at risk of being deceived by interests seeking to influence them.

Evaluating Evidence

A task for middle school students tapped their ability to evaluate evidence. The Internet is filled with all kinds of claims—some backed by solid evidence and others as flimsy as air. Such claims abound in the comment sections of news articles. As online news sites have proliferated, their accompanying comment sections have become, as it were, virtual town halls, where users not

only read, but debate, challenge, react, and engage publicly with fellow commenters. Our exercise assessed students’ ability to reason about the factors that make an online comment more or less trustworthy (see Sample Item below).

Students examined a comment posted on a news article about healthcare. We asked if they would use the information in a research paper. To be successful, students needed to recognize that they knew nothing about the commenter, “Joe Smith,” and his motivations for writing. Was he an expert on healthcare policy? Did he work for the Department of Health and Human Services? Adding to the dubiousness of Joe Smith’s comment was the fact that he provided no citation or links to support his claims. Without a sense of his credentials or the source for his statistics, the information he provided was virtually worthless.

Despite the many reasons to be skeptical, more than 40 percent of 201 middle school students said they would use Joe Smith’s information in a research paper. Instead of asking themselves

whether the evidence he provided was sound, students saw a match between the information he presented and the topic at hand. They credulously took the numbers he provided at face value. Other students were entranced by the semblance of data in the comment and argued that the many statistics made the information credible. One student wrote that she would use the comment’s information “because the person included statistics that make me think this source is reliable.” Many middle school students, it seems, have an unflinching belief in the value of statistics—regardless of where the numbers come from.

Seeking Additional Sources

Another task tapped students’ ability to investigate multiple sources to verify a claim. Administered online, this task directed college students (as well as a group of Advanced Placement high school students) to an article on minimumwage.com about wages in the Danish and American fast-food industries. The article claimed that paying American workers more would result in increased food prices and unemployment. Students could consult any online source to determine whether the website was a reliable source of information on minimum wage policy.

The article bears all the trappings of credibility. It links to reports by the *New York Times* and the *Columbia Journalism Review*. It is published on a professional-looking website that features “Research” and “Media” pages that link to reports and news articles. The “About” page says it is a project of the Employment Policies Institute, “a non-profit research organization dedicated to studying public policy issues surrounding employment growth.” If students follow the link to the institute’s website (www.epionline.org), they encounter an even sleeker site with more research reports.

Indeed, if students never leave minimumwage.com or epionline.org, they are almost guaranteed to remain ignorant of the true authors of the sites’ content. To evaluate the article and the website on which it appears, students needed to leave those two sites and investigate what other sources had to say. If they did so, they likely learned that the institute is “run by a public relations firm

Sample Item

Evaluating Online Comments

This post appeared in the comments section of a news article about the U.S. healthcare system:



Joe Smith

Percentage of men and women who survived cancer five years after diagnosis:

U.S. 65%
 England 46%
 Canada 42%

Percentage of patients diagnosed with diabetes who received treatment within six months:

U.S. 93%
 England 15%
 Canada 43%

Percentage of seniors needing hip replacement who received it within six months:

U.S. 90%
 England 15%
 Canada 43%

You come across this comment while researching the U.S. healthcare system for a research paper. Would you use this information in your paper? Why or why not? _____

that also represents the restaurant industry,” and that the owner of that firm has a record of creating “official-sounding nonprofit groups” to promote information on behalf of corporate clients.⁸

Fifty-eight college students and 95 Advanced Placement U.S. history students completed this task. A mere 6 percent of college students and 9 percent of high school students identified the true backers of this article. The vast majority—college and high school students alike—accepted the website as trustworthy, citing its links, research, and parent group as reasons to trust it. As one student wrote: “I read the ‘About Us’ page for MinimumWage.com and also for the Employment Policies Institute. The Institute sponsors MinimumWage.com and is a non-profit research organization dedicated to studying policy issues surrounding employment, and it funds nonpartisan studies by economists around the nation. The fact that the organization is a non-profit, that it sponsors nonpartisan studies, and that it contains both pros and cons of raising the minimum wage on its website, makes me trust this source.”

Cloaked sites like epionline.org abound on the web. These professional-looking sites with neutral descriptions advocate on behalf of their parent organizations while actively concealing their true identities and funding. Our task shows how easily students are duped by these techniques.

Where to Go from Here?

Our findings show that many young people lack the skills to distinguish reliable from misleading information. If they fall victim to misinformation, the consequences may be dire. Credible information is to civic engagement what clean air and water are to public health. If students cannot determine what is trustworthy—if they take all information at face value without considering where it comes from—democratic decision-making is imperiled. The quality of our decisions is directly affected by the quality of information on which they are based.

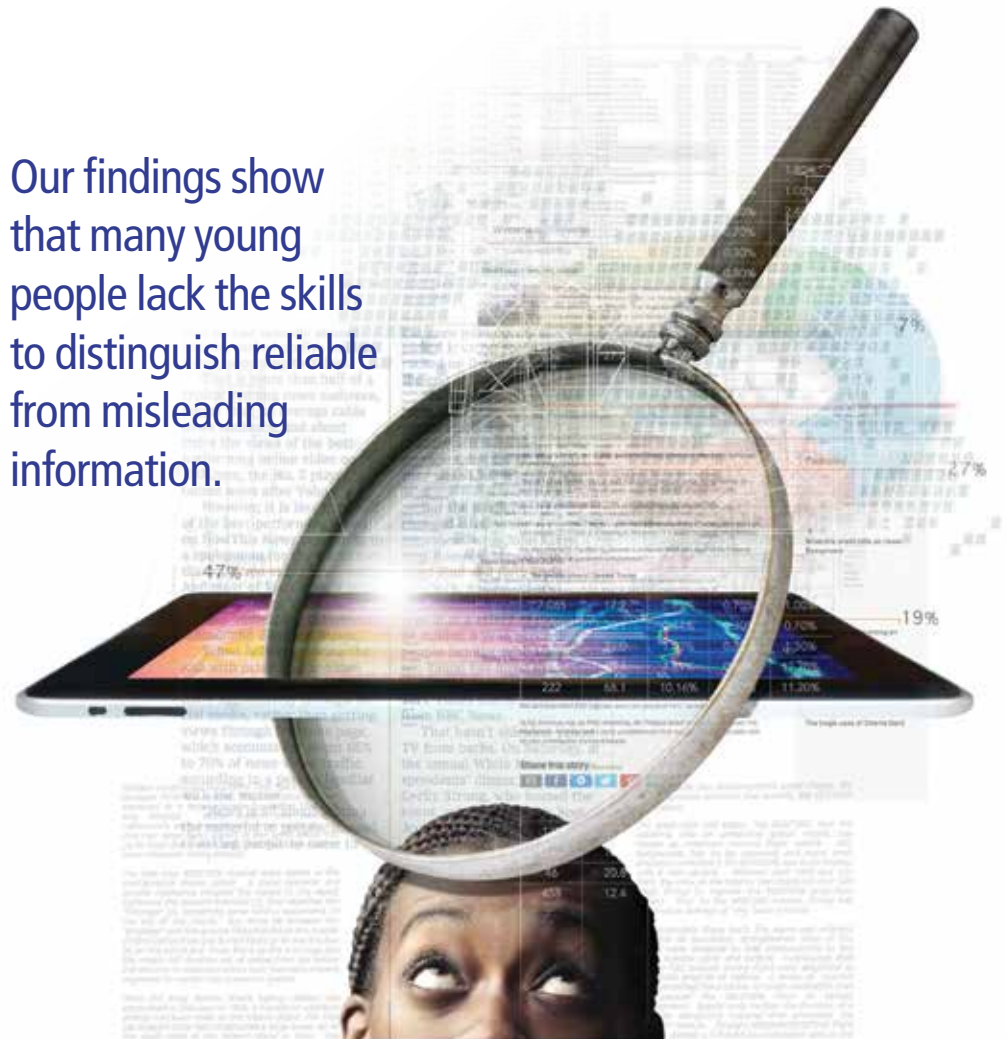
What should we do? A quick survey of resources available on the web shows a surfeit of materials, all of which claim to help students evaluate digital information.

Many of these resources share some-

thing in common: they provide checklists to help students decide whether information should be trusted. These checklists range in length from 10 questions to sometimes as many as 30.⁹ Short or long, checklist approaches tend to focus students on the most easily manipulated surface features of websites: Is a contact person provided for the article? Are sources of information identified? Are there spelling or grammatical errors? Are

credible source. One could contend that in years past, the designation “.org” (for a mission-driven organization) could be trusted more than “.com” (for a profit-driven company), but that’s no longer the case. Practically any organization, legitimate or not, can obtain a “.org” domain name. In an Internet characterized by polished web design, search-engine optimization, and organizations vying to appear trustworthy, such

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there banner ads? Does the domain name contain the suffix “.org” (supposedly more reliable than “.com”)?

Even if we set aside the concern that students (and the rest of us) lack the time and patience to spend 15 minutes answering lists of questions before diving into a website, a larger problem looms. Providing an author, throwing up a reference list, and ensuring a site is free of typos hardly establishes it as a

guidelines create a false sense of confidence. In fact, checklists may make students *more* vulnerable to scams, not less.

The checklist approach falls short because it underestimates just how sophisticated the web has become. Worse, the approach trains students’ attention on the website itself, thus cutting them off from the most efficient route to learning more about a site:

finding out what the rest of the web has to say (after all, that's why we call it a *web*). In other words, students need to harness the power of the web to evaluate a single node in it. This was the biggest lesson we learned by watching expert fact checkers as they evaluated unfamiliar web content.

We interviewed journalists and fact checkers at some of the nation's most

prestigious news and fact-checking organizations as they vetted online content in real time.¹⁰ In parallel, we observed undergraduates at the nation's most selective university, Stanford, and college professors at four-year institutions in California and Washington state as they completed the same set of online tasks. There were dramatic differences between the fact checkers and the other two groups.

Below, we describe some of the most powerful strategies employed by fact checkers and how educators can adapt them to help our students become savvy web users. (For examples of classroom activities that incorporate these strategies, see the box on page 9.)

1. Teach students to read laterally.

College students and even professors approached websites using checklist-like behaviors: they scanned up and down pages, they commented on site design and fancy logos, they noted ".org" domain names, and they examined references at the bottom of a

web article. They often spent a great deal of time reading the article, evaluating the information presented, checking its internal logic, or comparing what they read to what they already knew. But the "close reading" of a digital source, the slow, careful, methodical review of text online—when one doesn't even know if the source can be trusted (or is what it says it is)—proves to be a *colossal* waste of time.

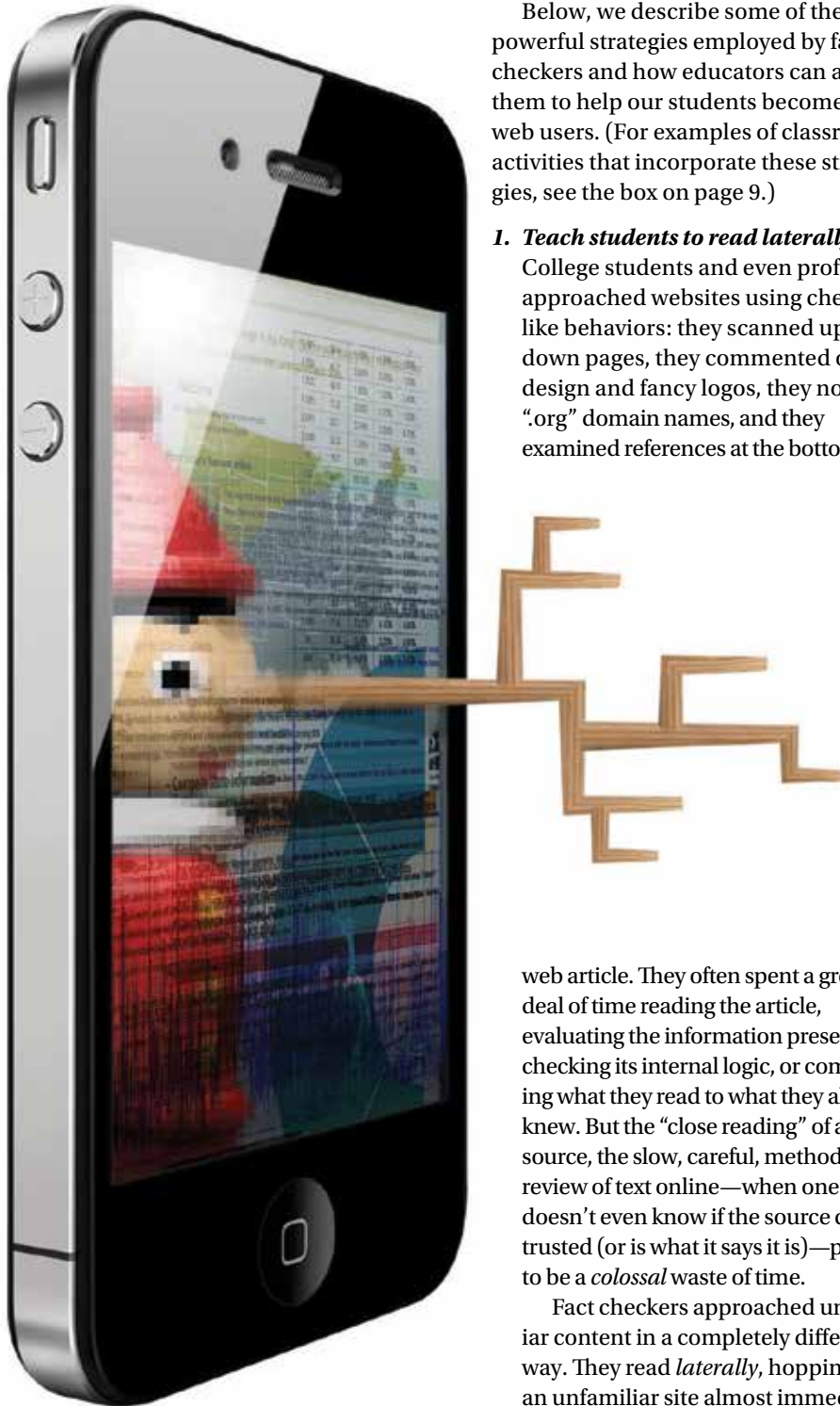
Fact checkers approached unfamiliar content in a completely different way. They read *laterally*, hopping off an unfamiliar site almost immediately,

opening new tabs, and investigating outside the site itself. They left a site in order to learn more about it. This may seem paradoxical, but it allowed fact checkers to leverage the strength of the entire Internet to get a fix on one node in its expansive web. A site like *epionline.org* stands up quite well to a close internal inspection: it's well designed, clearly and convincingly written (if a bit short on details), and links to respected journalistic outlets. But a bit of lateral reading paints a different picture. Multiple stories come up in a search for the Employment Policies Institute that reveal the organization (and its creation, *minimumwage.com*) as the work of a Washington, D.C., public relations firm that represents the hotel and restaurant industries.

2. Help students make smarter selections from search results. In an open search, the first site we click matters. Our first impulse might send us down a road of further links, or, if we're in a hurry, it might be the only venue we consult. Like the rest of us, fact checkers relied on Google. But instead of equating placement in search results with trustworthiness (the mistaken belief that the higher up a result, the more reliable), as college students tend to do,¹¹ fact checkers understood how easily Google results can be gamed. Instead of mindlessly clicking on the first or second result, they exhibited *click restraint*, taking their time on search results, scrutinizing URLs and snippets (the short sentence accompanying each result) for clues. They regularly scrolled down to the bottom of the results page, sometimes even to the second or third page, before clicking on a result.

3. Teach students to use Wikipedia wisely. You read right: Wikipedia. Fact checkers' first stop was often a site many educators tell students to avoid. What we should be doing instead is teaching students what fact checkers know about Wikipedia and helping them take advantage of the resources of the fifth-most trafficked site on the web.¹²

Students should learn about Wikipedia's standards of verifiability and how to harvest entries for links to



reliable sources. They should investigate Wikipedia's "Talk" pages (the tab hiding in plain sight next to the "Article" tab), which, on contentious issues like gun control, the status of Kashmir, waterboarding, or climate change, are gold mines where students can see knowledge-making in action. And they should practice using Wikipedia as a resource for lateral reading. Fact checkers, short on time, often skipped the main article and headed straight to the references, clicking on a link to a more established venue. Why spend 15 minutes having students, armed with a checklist, evaluate a website on a tree octopus (www.zapatopi.net/treeoctopus) when a few seconds on Wikipedia shows it to be "an Internet hoax created in 1998"?

While we're on the subject of octopi: a popular approach to teaching students to evaluate online information is to expose them to hoax websites like the Pacific Northwest Tree Octopus. The logic behind this activity is that if students can see how easily they're duped, they'll become more savvy consumers. But hoaxes constitute a minuscule fraction of what exists on the web. If we limit our digital literacy lessons to such sites, we create the false impression that establishing credibility is an either-or decision—if it's real, I can trust it; if it's not, I can't.

Instead, most of our online time is spent in a blurry gray zone where sites are real (and have real agendas) and decisions about whether to trust them are complex. Spend five minutes exploring any issue—from private prisons to a tax on sugary drinks—and you'll find sites that mask their agendas alongside those that are forthcoming. We should devote our time to helping students evaluate such sites instead of limiting them to hoaxes.

The senior fact checker at a national publication told us what she tells her staff: "The greatest enemy of fact checking is hubris"—that is, having excessive trust in one's ability to accurately pass judgment on an unfamiliar website. Even on seemingly innocuous topics, the

fact checker says to herself, "This seems official; it may be or may not be. I'd better check."

The strategies we recommend here are ways to fend off hubris. They remind us that our eyes deceive, and that we, too, can fall prey to professional-looking graphics, strings of academic references, and the allure of ".org" domains. Our approach does not turn students into cynics. It does the opposite: it provides them with a dose of humility. It helps them understand that they are fallible.

Our eyes deceive, and we can fall prey to professional-looking graphics, strings of academic references, and the allure of ".org" domains.

The web is a sophisticated place, and all of us are susceptible to being taken in. Like hikers using a compass to make their way through the wilderness, we need a few powerful and flexible strategies for getting our bearings, gaining a sense of where we've landed, and deciding how to move forward through treacherous online terrain. Rather than having students slog through strings of questions about easily manipulated features, we should be teaching them that the World Wide Web is, in the words of web-literacy expert Mike Caulfield, "a web, and the way to establish authority and truth on the web is to use the web-like properties of it."¹³ This is what professional fact checkers do.

It's what we should be teaching our students to do as well. □

(Endnotes on page 39)

Activities to Try in Your Classroom:

Model Lateral Reading

Show students an article on minimumwage.com (we recommend "Denmark's Dollar Forty-One Menu"). Ask them to spend a few minutes deciding whether it is a reliable source of information on the minimum wage, and tell them they can use any online resources to help them. Then, model how you would approach the site by demonstrating lateral reading. Based on our experience, students will be surprised at what you find—and at how their favored methods of evaluation fail them.

Compare Search Results

Begin by asking students how they decide which search results to click (some students may admit to always clicking on the first one!). Tell students that many people erroneously think search results are ranked entirely on the reliability of the websites. Explain that a better strategy is to quickly scan the URLs and snippets of search results to decide where to click first. Then, ask students to work in groups to analyze the results of different searches: they should investigate both the website that comes up first and another site using the strategy you taught them. Have them compare the sites and share what they learned with the rest of the class.

Analyze Wikipedia

Pick a topic that you've covered in class—something that you're confident students have knowledge about. Ask students to read both the Wikipedia entry (or part of it) and an encyclopedia's description of the same topic. Then, lead a class discussion to compare the texts. Support students in considering multiple factors, including the depth and quality of coverage, authority of the authors, references, and opportunities provided by the texts to learn more. Finish by asking students to reflect on what they learned about Wikipedia and whether anything about the comparisons surprised them. Share with students the results of a study that appeared in the prestigious journal *Nature*, which found that the average Wikipedia scientific entry contained four errors. Let them know that the same study showed that *Encyclopedia Britannica*, considered the world's top reference authority, contained, on average, three errors per entry.

—S.M., T.O., J.B., and S.W.

Real Teaching in an Era of Fake News

BY WILL COLGLAZIER

Against the backdrop of our country's current political climate, I sometimes wonder if I'm doing my job as a high school history teacher to the best of my ability. I don't see my role as simply covering what's in the textbook or helping students analyze current events. Rather, I believe it's my professional responsibility—my civic duty—to teach students the democratic ideals necessary for an enlightened citizenry.

This statement may sound dramatic, but it's something that has often come to mind since I saw the play *Hamilton* last spring. Wowed by the grand themes of grit, democracy, identity, and agency, I experienced a moment of self-doubt common to many caring educators: Am I doing enough to prepare my students for life after school? As the education writer Denise Clark Pope claims, many students are merely "doing school," so am I only "doing teaching"?

I'd like to think my focus on explicitly teaching the elements of argumentation is one way I can keep students and myself from merely "doing school." By helping them learn to make a valid claim, marshal evidence in support of it, and critique others' views, I'm imparting to students some of the real-world knowledge and skills they will need to succeed not only in college and in career but also in an increasingly uncertain world.

* * *

"How do you know what you know?" The question intrigued me when I took Sam Wineburg's social studies methods class in the summer of 2005, while I was enrolled in the Stanford Teacher Education Program. It wasn't until Wineburg's class that I realized I had never before been asked to explicitly discern reliable evidence from suspect evidence, even as a history major at the University of Virginia.

Wineburg took the class through a series of investigations—Where did Rosa Parks sit? Who fired the first shot at

Will Colglazier teaches history to 11th-graders at Aragon High School in the San Mateo Union High School District in California. He has been an educator for 12 years.



Lexington? Why were Japanese Americans interned?—and, in so doing, opened up a whole new way to teach. Instead of straight lectures about the facts or how one should interpret a historical event or modern-day policy issue, I learned to teach through inquiries. Questions would soon anchor my lessons instead of content memorization before regurgitation.

Hired to teach U.S. history at Aragon High School in the San Francisco Bay Area, I introduced my students to this approach. My hope was that I could share my passion and knowledge of history through questions that students would begin to recognize as vital for historical analysis and crucial for navigating present-day controversies that affected their day-to-day lives. If they asked whether Pocahontas saved Captain John Smith's life and thoroughly researched that question, I assumed they would be able to take the same approach to deciphering whether vaccines would save their future children. My assumption, however, proved a bit misguided.

I found that some of my highly skilled students were able to decipher credible information but other students were not. Why? To some degree, I was to blame. I had spent countless hours creating documents that allowed my students to access and wrestle with a historical controversy. But for the sake of brevity and clarity, I kept excerpts of documents to only a few hundred words, provided header notes that explained sourcing information and relevant historical context, and included guiding questions. My scaffolds, though, did not mimic the real-world scenario my students experienced when they went online. Was President

Obama really born in Kenya? Websites that perpetuated the myth that he was did not acknowledge on their "about us" page that they were created by partisan snake-oil salesmen allergic to credible evidence.

If I were going to help my students decipher fact from fiction online, I would need to explicitly teach them how to discern who is behind information online, analyze the evidence presented, and cross-check information with other sites. While this approach might seem obvious, it took a decade of teaching since I had taken Wineburg's class to figure out.

Ten years into the development of my craft, I began the difficult but necessary process of retooling my curriculum. With the support of Sarah McGrew (the lead author of the article on page 4 of this issue) as well as one-to-one computing support from my school district, which gave me computers for my class, I got to work.

"Fudge-nuggets!" Two years ago, that was the response from one of my most successful students. Why the outburst? I had given him, along with my more than 90 Advanced Placement (AP) U.S. history students, the minimum-wage task referenced in McGrew's article. Essentially, I had directed students to "Denmark's Dollar Forty-One Menu," an article on minimumwage.com, and asked them if it was a reliable source for information about the minimum wage. And it wasn't easy for them to tell if it was.

I wanted to see if they could, with the World Wide Web at their fingertips, figure out that a hotel and restaurant lobbyist had created the "nonprofit" website that conveniently claimed an increase in the

minimum wage would lead to higher prices and unemployment. Needless to say, the student who shouted “Fudge-nuggets!” was duped, along with a majority of my AP students. When I showed them who was behind the website and how I went about finding out, they were surprised and somewhat embarrassed they had initially considered the site credible.

I realized then and there that I can’t lament my students’ inability to decipher fake news if I haven’t given them a chance to practice doing it.

So I continued to experiment. In the next unit, on the 1920s through World War II, I deleted the multiple-choice question on my summative test on why Italian immigrants Nicola Sacco and Bartolomeo Vanzetti were executed in 1927. The answer: contextual prejudice against radicals and immigrants during the Red Scare post–World War I. But in place of circling a bubble on a Scantron sheet, I created a Google form. I sent my students to an article online (available at www.nodeathpenalty.org/new_abolitionist/august-2002-issue-25/sacco-and-vanzetti) and asked them if this is or is not a reliable source to determine if Sacco and Vanzetti were guilty. I told them they could search anywhere online for their answer.

As with many historical events, there are multiple perspectives on the Sacco and Vanzetti case. Successful students recognized the controversy and questioned the objectivity and expertise of nodeathpenalty.org, while at the same time finding different, more scholarly sites to support both a guilty and an innocent verdict.

With my new approach, my students performed admirably. While by no means perfect, they did show significant improvement from the minimumwage.com assessment, as they were practicing the three explicit strategies I modeled. First, I showed them how to read *laterally* by leaving the website and seeing what other sites say about the site they found themselves on. Professional fact checkers use this tactic rather than reading vertically, which is essentially reading the article before finding their bearings about the site they were on.

Second, I encouraged them to move beyond the “about us” page, to recognize the inherent bias in a description of an organization written by the very organization one is trying to vet. Third, when searching for information about an organization, I emphasized the importance of scrolling through the search results, using even the second or—*gasp!*—third page of search results before clicking on a site. When I did this, my students were incredulous at first; they seemed to fear I would

break the Internet! But their reaction made sense, because no one had modeled for them why such an approach was necessary.

In addition to formative assessments like the minimumwage.com one and summative assessments like the Sacco and Vanzetti one, I found that educators like me were lacking curricula that embedded online investigations. Instead of tossing out lessons I’ve used for years, I found that a better approach was to modify them to include opportunities to teach students how to discern credible content online.

If I were going to help my students decipher fact from fiction online, I would need to explicitly teach them.

For example, I tweaked an online lesson I had created years before, on whether President Franklin D. Roosevelt allowed the bombing of Pearl Harbor to happen (see www.bit.ly/2wGdEAK). Document #1 was a diary entry that Secretary of War Henry Stimson wrote two weeks before the “day of infamy,” alluding to the fact not only that FDR knew a Japanese attack was probable, but that he wanted to “maneuver them into the position of firing the first shot” to convince Americans to support a U.S. entry into World War II. The lesson included other materials: a declassified Japanese telegram, a History Channel documentary clip, and two accounts from noted historians.

But instead of stopping the lesson there, as I had done for years, I was only at the midpoint. Rather than merely asking students, hypothetically, “Which sources do you wish you had to further answer the central question?,” I unleashed students onto, as I joke, “the Google machine.” The task was to find a site that answered the

central question about whether FDR allowed the Pearl Harbor attack to happen. The students had to source the site and information for reliability, using the techniques explicitly modeled after the minimumwage.com assessment.

* * *

By teaching students how to decipher credible information, educators can empower them with what the authors on page 4 call “civic online reasoning” skills. For years, I had inadvertently robbed my students of the chance to practice and develop these skills, when I merely provided them teacher-vetted lists of sites to use in researching various topics.

But these strategies don’t just apply to history, and they’re not ones that need to wait until students reach high school. They can work in many disciplines where students must learn how to separate fact from fiction. For instance, students in science classrooms could investigate answers to phenomena online and wrestle with divergent opinions on important issues such as GMO (genetically modified organism) food production, stem cell research, or global warming. Because students in English classrooms engage in evidence and analysis with literary and nonfiction texts, it would be natural for teachers to extend lessons to incorporate online research opportunities. And students in math classrooms should have numerous opportunities to go online to examine the misuse and manipulation of numerical data.

While the upsurge of fake news in the past year sadly isn’t a new phenomenon in American or human history, the Internet has emboldened its perpetrators and expanded their influence. In May, I came across the *New York Times* article “Climate Science Meets a Stubborn Obstacle: Students.” The article recounted the experience of a biology teacher in Ohio who was confronted with skeptical students, a majority of whom thought he was “wasting their time” with evidence of man-made global warming. One parent even went so far as to say the teacher was “brainwashing” his daughter.

As teachers, it’s easy to get discouraged with these responses. But the answer isn’t to shy away from the controversy—or the additional work that comes with teaching these strategies. I’m sympathetic to the fact that educators must devote much of their time to covering critical content. But to ensure our students become questioning and resourceful citizens, we must also make time for systematically teaching them the sleuthing skills they need to wade through misinformation online.

Current Events in the Classroom

ENSURING OUR CHILDREN BECOME KNOWLEDGEABLE and engaged citizens is critical for their success and our country's future. With "fake news" being broadcast as fact, and with access to vast amounts of information on social media, students face an ever-growing challenge to discern what is true.

Educators must actively cultivate students' curiosity about what's in the news and teach them the critical-thinking skills required to zero in on what is accurate and responsible journalism. To that end, Share My Lesson has partnered with reputable news organizations to bring broadcast and audio stories into the classroom and to provide webinars and lesson plans on how to be a discerning news consumer.

Get Them Hooked

A news story designed for classroom use should capture students' attention, inspire discussion, and ultimately get them hooked on the news. For educators looking to seamlessly fit a discussion of current events into their classrooms, Share My Lesson's "Today's News, Tomorrow's Lesson" collection delivers three- to five-minute news stories, with accompanying text, questions, and short activities, on a daily basis from PBS NewsHour Extra, Listenwise, and Science Friday.

Fact vs. "Fake News"

Media literacy is not something students are born with; assessing various types of media must be learned. Students need instruction and opportunities to practice deciphering fact from fake news. In general, evaluating the veracity of a story requires asking some foundational questions: Who is the source of the information? Does the story have strong evidence? Are other reliable sources sharing similar information? A student may also need to learn how to pose more detail-oriented questions: Is this the most up-to-date and informed report? Does this source offer contact information? What kinds of ads appear on the web page or take place during commercials?

The Newseum, the Stanford History Education Group (whose work is featured on page 4 of this issue), and PBS NewsHour Extra all have pre-recorded webinars for teachers on media literacy. PBS NewsHour Extra also offers a lesson plan for students in grades 7 to 12 called "How to Teach Your Students about Fake News." On Share My Lesson, teacher Barbara Tutino's lesson "The Trouble with Reality—Fake News" uses text, video, and Twitter examples to help students separate rhetoric from reality.

Keeping It Civil: Classroom Discussions

Staying up to date on current events empowers students to intelligently discuss what's going on in the world. Within a classroom, watching students share their knowledge can be both exhilarating and nerve-racking—what if things get too heated?

Allowing students to reflect on current events supports their development as responsible citizens. But setting boundaries for discussion is just as important. Doing so can encourage students to express themselves, since they know what is expected of them and their peers. Teaching Tolerance's "Civil Discourse in the Classroom" is an invaluable resource on the subject that includes everything from how the historic role of civil discourse has shaped our country to how to effectively create and defend an argument.

It goes without saying that news events are bound to create emotional situations. And unless we teach students how to express themselves in respectful ways, their voices won't be heard.

—THE SHARE MY LESSON TEAM



Recommended Resources

- "Today's News, Tomorrow's Lesson": <http://go.aft.org/AE317sml1>
- "How to Spot Fake News and Train Students to Be Educated News Consumers": <http://go.aft.org/AE317sml2>
- "Judging Fact, Fiction, and Everything In-Between: Teaching Media Literacy": <http://go.aft.org/AE317sml3>
- "How to Teach Your Students about Fake News": <http://go.aft.org/AE317sml4>
- "The Trouble with Reality—Fake News": <http://go.aft.org/AE317sml5>
- "Civil Discourse in the Classroom": <http://go.aft.org/AE317sml6>

Looking for a particular set of resources? Send an e-mail to help@sharemylesson.com.

Fake News

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Endnotes

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