New research suggests social media use can alter teenagers' brains

Social media inspires fear in adults and joy in students; the truth is more complex

BY CALI GROENEWOLD

Parents, teachers, and students have debated the issue of social me- jump to conclusions. dia for many years. While teens generally come down on the side of ennegative effects of "social addiction". social media can cause actual changes in the brain.

teacher Abbie Kilgore said. "Stu- that adolescents at this day and age dents get involved in drama via social kind of need to be able to navigate and harassment media and compare themselves with digital spaces."

Maria Maza is a third-year doctor- big dangers of al student at the University of North social media, Carolina. There, she studies develop- according to mental psychology and neuroscience. critics, is that Her research interests lie in adoles- adolescents decent development and how that is impacted by social media.

"There are a lot of papers that have because they conshown that it can cause depression stantly are comparing and there are a lot of papers that have themselves to posts shown that it does not cause depres- on social media. sion," she said, "In fact, it can be protective against anxiety and depres- an 8th grade student,

Maza compares social media to schools, a place where a lot of stuff, you are; don't try to be someeither good or bad, can happen.

"Trying to say that it's good or bad are helpful and there are some be- media. haviors that aren't very helpful," she said. "I think it can negatively impact may not have the self discipline to be more some adolescents' development, but for others, it's been really useful. It's really like a supportive place to be able to interact with other peers."

New studies have been making na- son.' tional headlines about social media changing the brains of students.

"Basically, what we found was among teenagers. that adolescents who check their were the ones who became more and feedback, whether that's good social there in person."

feedback or bad social feedback, over time," she said.

Even here, Maza advises not to

tion and a comment, it might make of being able to say stuff that joying social media, adults fear the you want to check more, but at the they wouldn't say in same time, we don't know that," she person," she said. Now, new studies suggest that using said. "That is pure speculation of what it could be doing. Another pos- that these dangers sible thing that it could be doing is exist offline, as "It makes sense," 8th grade science just showing us a way of functioning well.

One of the velop unrealistic expectations

Blakely Matheney, disagreed.

"I feel that you are who one you aren't." she said.

Teachers like Tina McMurray worfor everybody is really difficult be- ry that students don't always have the cause there are some behaviors that self control necessary to use social

> "It can be bad because students for able to 'stop the scrolling'," she said. social in-"Also, students may hide behind the teractions keyboard and post something on so- in general, cial media they may not say in per- and that it was

Another big problem on social include both good media is cyberbullying, especially and bad ones,"

"Students are way more bold on pandemic, maysocial media more frequently, they social media than in person," Kilgore be there wasn't

"This idea of having a screen be- instances of bullying and discriminathese conversations, it sometimes funity to have them." "So, every time you get a notifica- gives people a little bit more feeling

> can happen online, but again, I

think it takes it back

to the context that

Scribe Photo/CALI GROENEWOLD

HOOKED ON SOCIAL MEDIA. A Scribe model illustrates how much time middle school students spend on social media. New research has shown that the brain actually changes with increased social media use.

said. "They say things via social meas much bullying and discrimination" On some services, such as Snapthings that we often don't do enough more sensitive to any form of social dia they would never say if they were because you were just at home. But chat, users can see each other's localist teach a critical perspective on what when you went back to school, may- tion. McMurray is not a fan of this you see online. So, it's not that you

be you found that there were more feature.

don't post it on social media."

He met the girl online and very quickly. obtained her personal information by passing himself off as someone else.

Then there's the issue of misspreads on social media

"I do not believe teen brains are fully developed yet to be able to decipher such information," McMur-

olescents can learn to tell use it. the difference.

guys want to do."

The real issue, acless social media and

cannot do it, it's that we are not giv-"It's a little scary," she said, "I ing you the proper tools to be able to tween the people that are having tion, because now there's that oppor- keep my posts private so hopefully no do it. Because it's difficult to read a stranger knows where I am. I tell my sentence and to be like 'Is this true? students and my own children that if It's not true? What do I do? How do you don't want parts of your life plas- I prove that it is true, or prove that tered on a billboard on Stone Drive, it's not true?' These are all things that you have to learn to do."

> Often, social media can The biggest complaint from teachturn tragic. A former Vir- ers, by far, is that social media and ginia state trooper, for ex- cell phone use are shortening stuample, allegedly kidnapped dents' attention spans. According to a California teenage girl he Maza, the issue is a lot more comhad been catfishing online plex. Users of social media are actuafter murdering her family. ally learning to switch their mindset

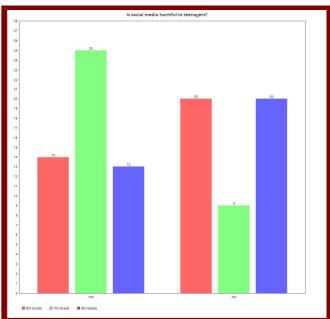
"Oftentimes, when we talk about attention, we're like 'oh, I have difficulty with attention because of social media', because they are turning information, or "fake news", to have a conversation or trying to do which often starts and quickly their homework, then they pick up the phone," she said. "That's not necessarily a problem with attention, that is a problem with controlling your

Although social media has dangers and potential negative consequences, Maza has faith that ad- Maza still believes that people should

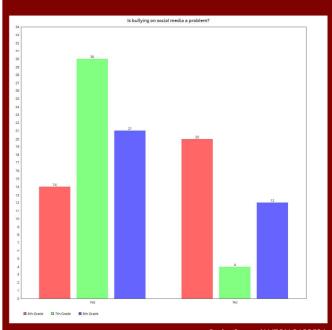
"This goes back to teaching our "I really believe in kids to use it safely," she said. "A lot the adolescent mind," of parents and a lot of teachers have Maza said. "I think it's been advocating for restrictions of incredible. I think you use. While I think limiting use can have the capacity to sometimes be helpful for some teens. do everything that you it's putting a bandaid on a potential problem."

The key to avoiding the negative cording to Maza, is effects of social media is education.

"All this stems from giving adolesmore digital literacy. cents the tools to be able to take those "It's basically the critical perspectives when they're usidea of giving tools to ing social media, to pause, to reflect, youth and to chil- to be very mindful when they're usdren to use digital ing it and listen to their own body and spaces in a healthier their mind to see what's working and and safer way," she what's not working for them," Maza said. "One of the said.



NO HARM DONE? This Scribe poll shows that the opinion on social media is livided, with around half of the students believing that social media is harmful The majority of seventh grade students believe it is, in fact, harmful.



Scribe Survey/ANTON BARRERA

THE DIFFICULT FEW. Bullies on social media have affected seventh grade students more than any other grade. Many students agree that bullies are a problem on social media

SOUND OFF - Do you think social media is a good thing or a bad thing?



"You can get made fun of for posting stuff."

"It has a negative and positive impact, like they are glued to their phones."





always going to

she said. "In the

"It's good and bad. You can go on, there to talk to friends but also, it can convince you to do drugs and other bad thinas.

"It's good and bad because I like keeping up with people, but it can stir up a lot of dra-



"Good, and he'll adjust some things for the greater good."

"He's currently running Twitter and now my family has abandoned Twitter."

SOUND OFF - What are your thoughts about Elon Musk buying Twitter?





"He's probably going to try to input something new and it isn't going to work out."

"I think he thought it was a good idea but it's not going to work out."

