

# Future Education and EduTech

GLOBAL HR FORUM  
Seoul, SOUTH KOREA  
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**The World Has Changed**

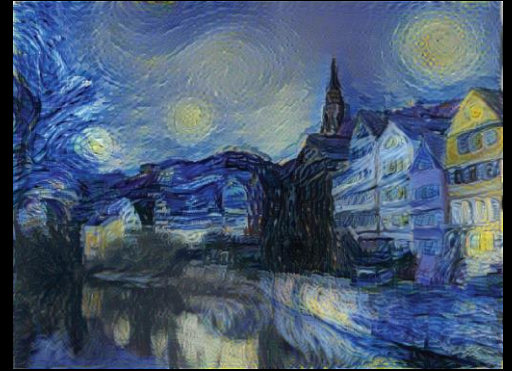
# Which one was made by AI?



A



B



C

# The Digital Divide in 2000

# Computer at Home

Low-income  
households

22%

High-income  
households

86%

“The first objective is to secure access for all to hardware and software, since one of the major causes of the digital divide is the gulf between technology-rich and technology-poor homes, schools, communities and nations.”

- OECD: *Learning to Bridge the Digital Divide*, 2000

# The Digital Divide in 2018

Teens who have access to a smartphone

} 95%

Teens who are online almost constantly

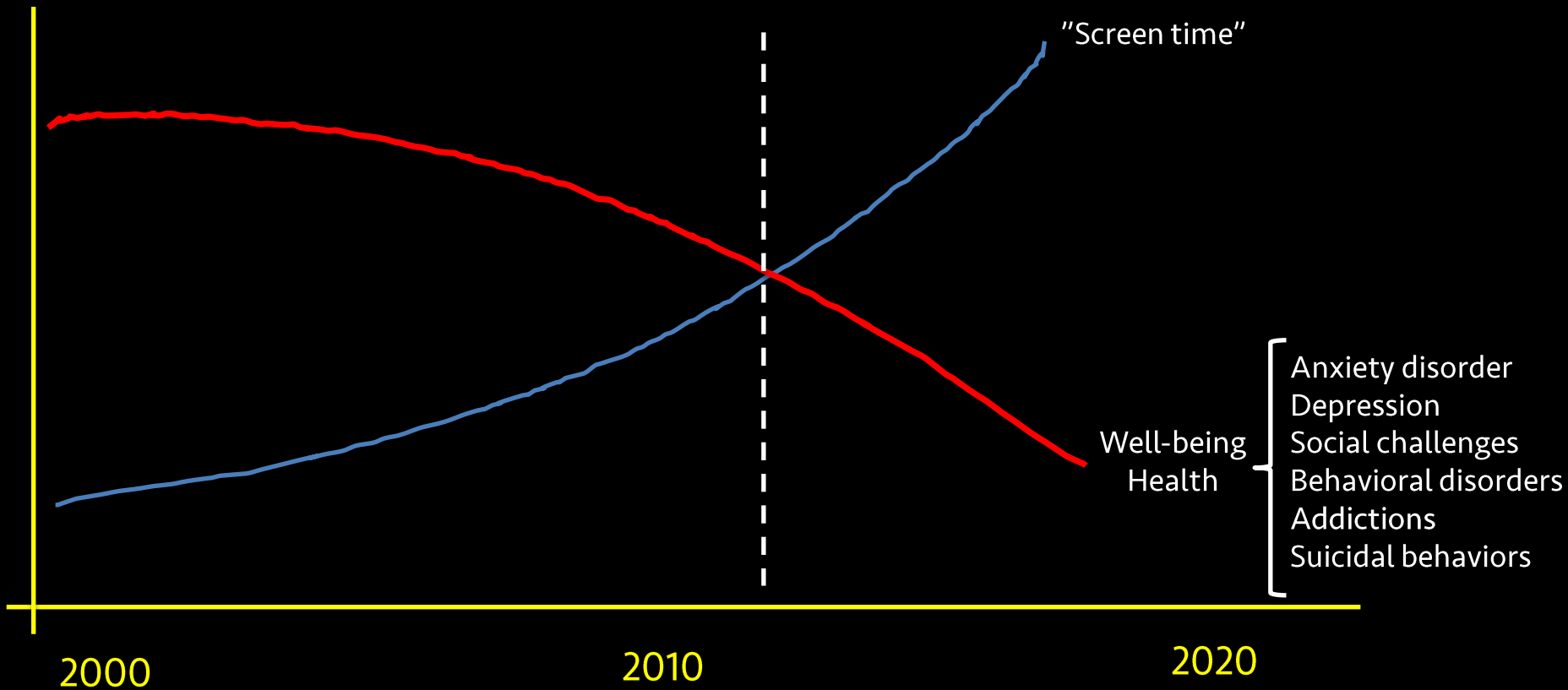
} 45%

Kids under 8 who have access to a mobile device at home

} 98%



# The Inconvenient Truth



More hours of screen time are associated with lower well-being in ages 2 to 17.

*- Twenge and Campbell, 2018*

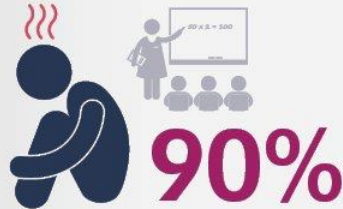
High users show less curiosity, self-control, and emotional stability.

*- Twenge and Campbell, 2018*

# DISCONNECTING

Alberta teachers have observed dramatic changes in their student populations over the past three to five years.

## EMOTIONAL AND SOCIAL CHALLENGES



of teachers say that the number of students with emotional challenges has increased.



of teachers say that the number of students with social challenges has increased.

**85%**

of teachers say that the number of students who need behaviour support has increased.



“ Is a student’s increasing online presence decreasing real-world satisfaction and positive peer-to-peer interaction? ”

— Elementary school teacher

## MOOD DISORDERS

**3 out of 4** teachers say that the number of students with cognitive challenges has increased.



### STUDENT CHALLENGES

ANXIETY DISORDER **85%**

DEPRESSION **73%**

Growing Up Digital & (Alberta Teachers Association)

Harvard Medical School/Boston Children's Hospital

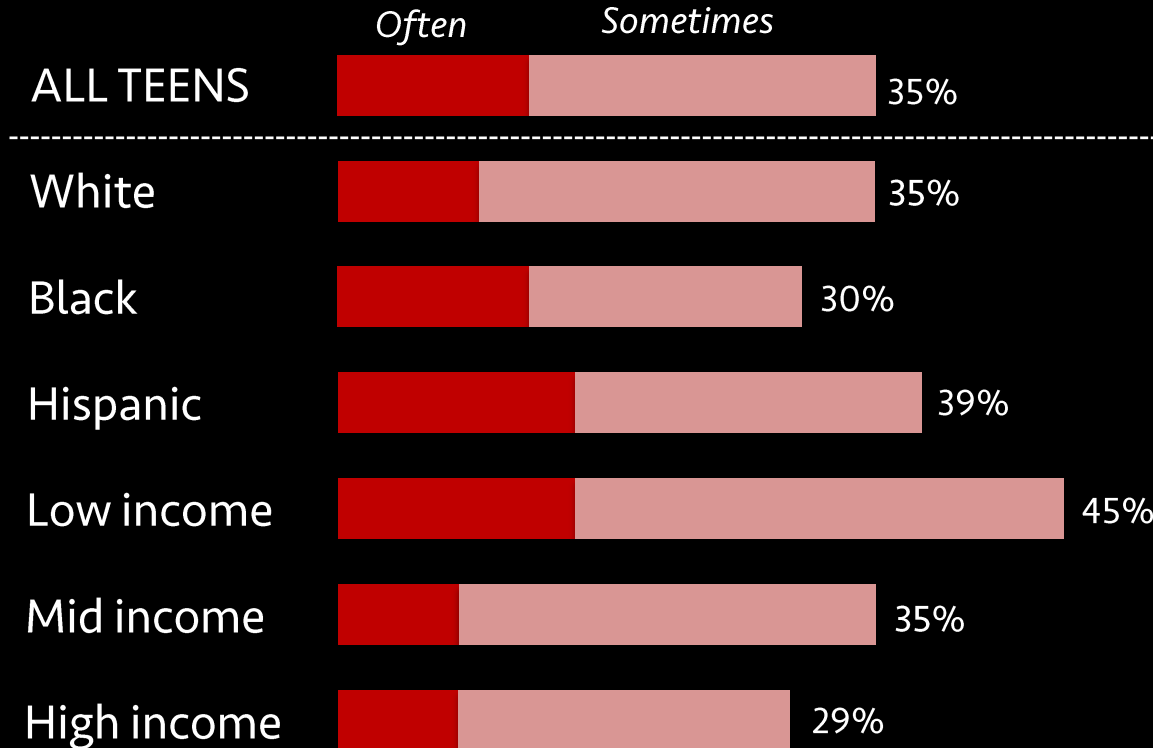
# Digital Divide 2.0

*Teenagers' daily screen time:*

- Lower-income teens: Over 8 hours
- Higher-income teens: Less than 6 hours

# Teenagers from lower-income households are likely to be impacted by the digital 'homework gap'

"I have to do my homework on a cellphone..."



**“Technology Is a Huge Social  
Experiment on Children”**

*- New York Times, 26 Oct 2018*



**What should schools do?**

**It could happen that the children of poorer parents will be raised by screens, while the children of elite will be going back to wooden toys and the luxury of human interaction.**

# **1. Teach self-control**

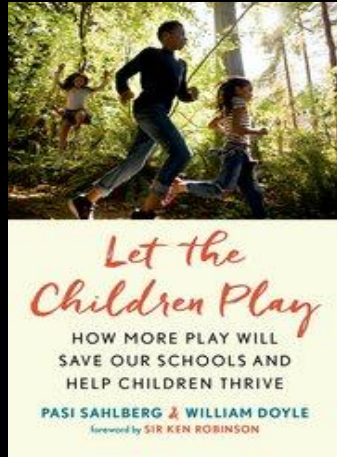
## **2. Read books**

# **3. Sleep more**

# **4. Write letters**

# **5. Play hard**

Thank you!



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