

iteration and innovation in education

jaime casap, education evangelist

Google for Education

#NCGS17
#GirlsEdInnovation



@jcasap



@jcasap

importance of education



education disrupts poverty...

the american dream...



for generations...

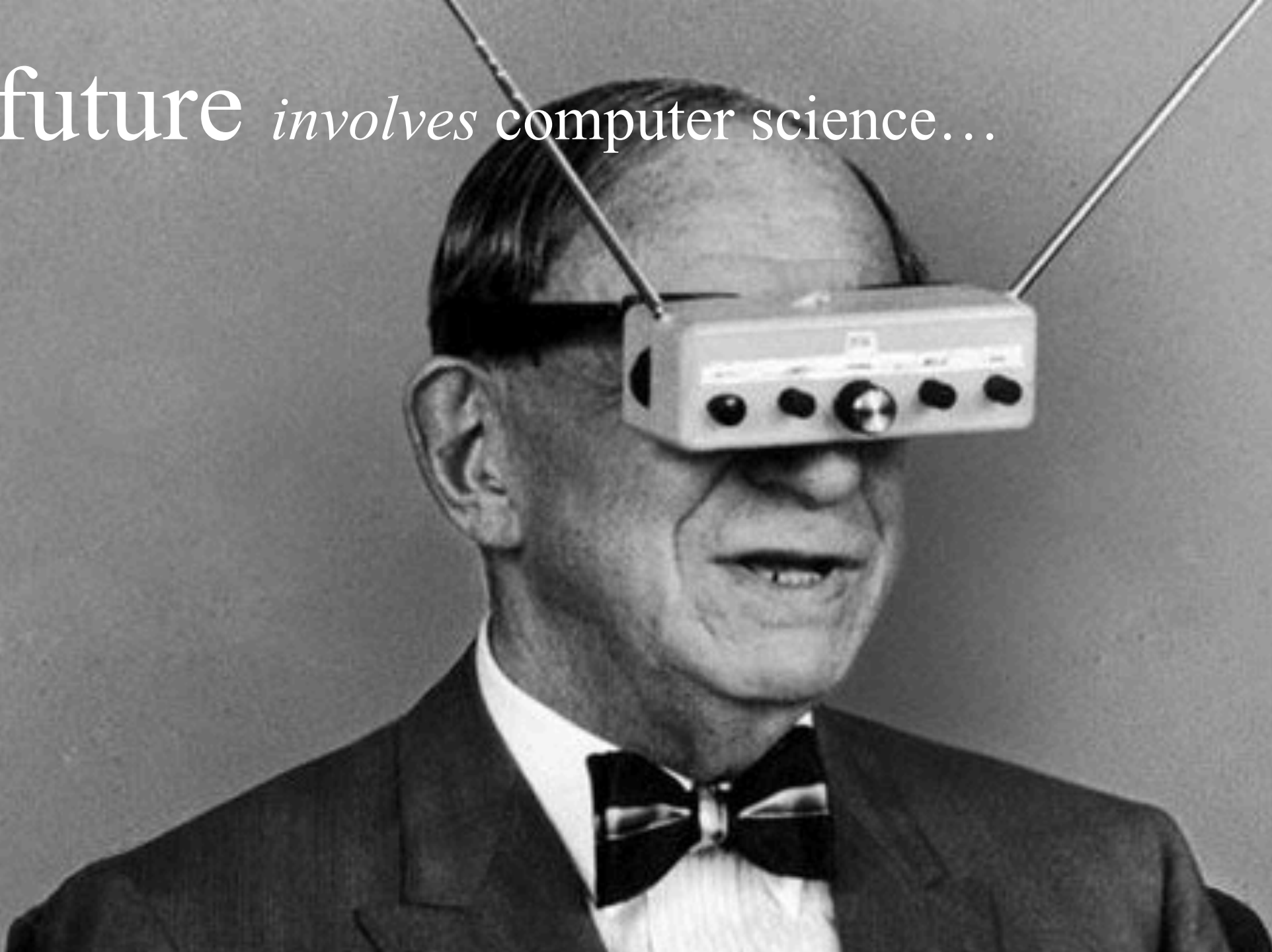


skills for the *future*...



look out...it's the future

the future *involves* computer science...



learning computer *science*...

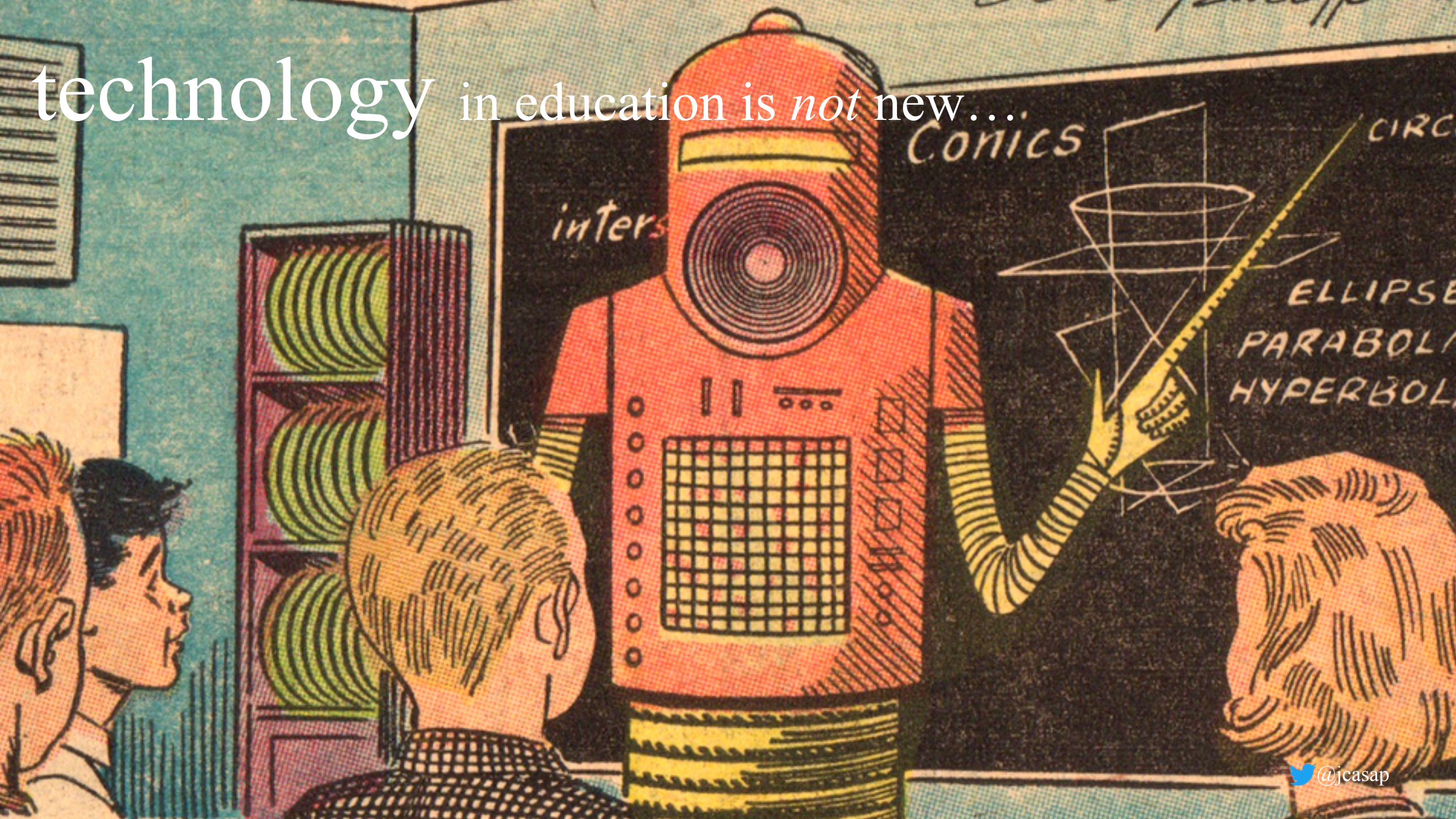


computer science *in* new york...

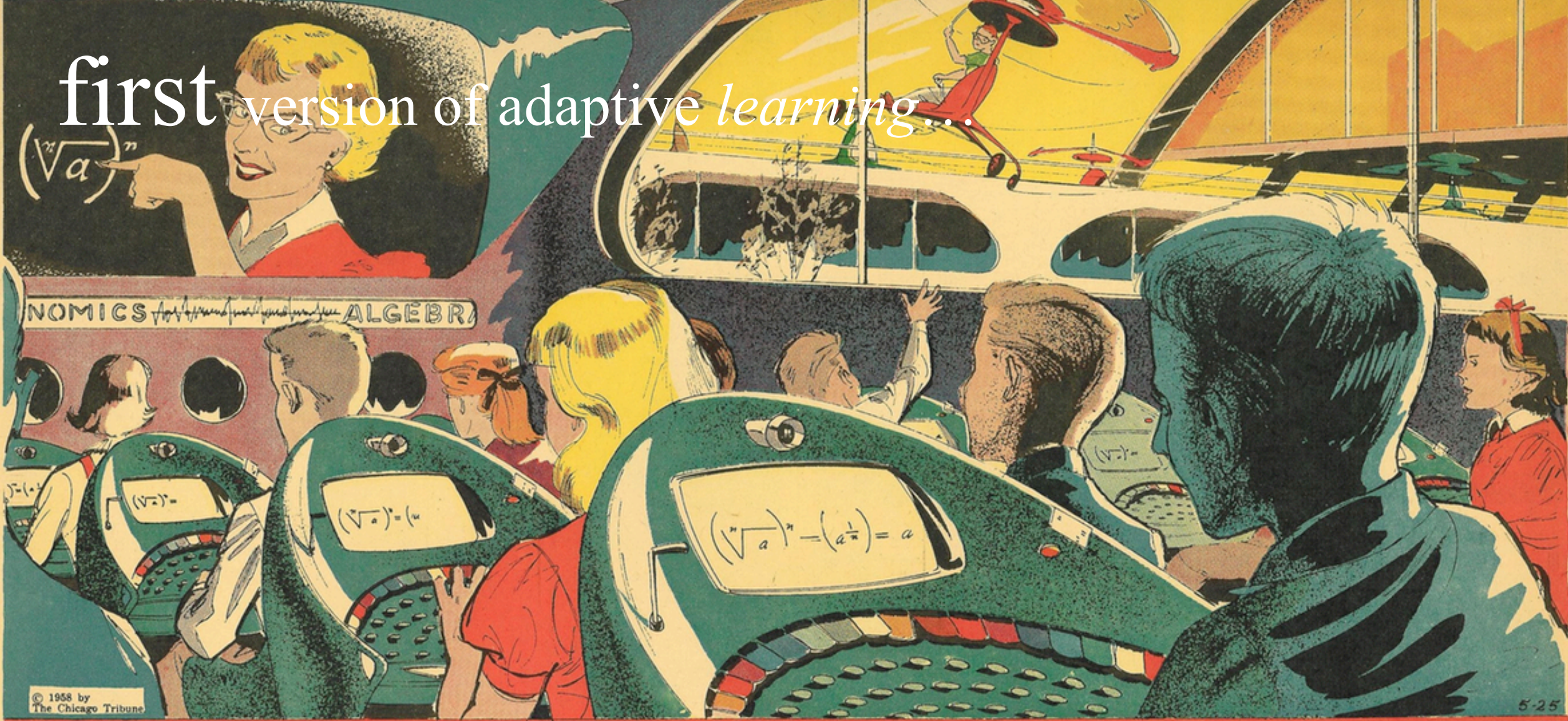


the role of technology in education

technology in education is *not* new....



first version of adaptive *learning*...



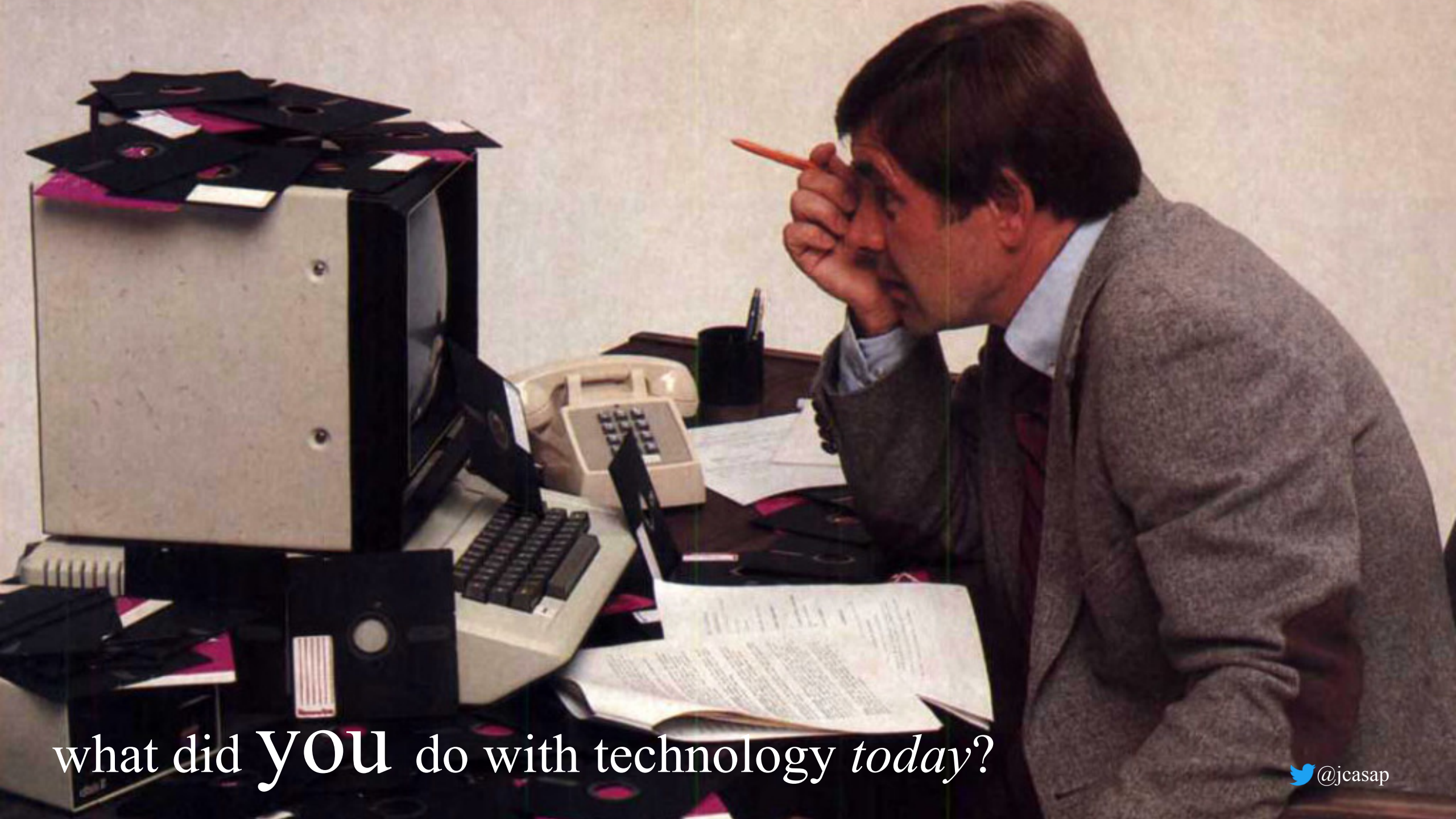
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The Chicago Tribune

PUSH-BUTTON EDUCATION

Tomorrow's schools will be more crowded; teachers will be correspondingly fewer. Plans for a push-button school have already been proposed by Dr. Simon Ramo, science faculty member at California Institute of Technology. Teaching would be by means of sound movies and mechanical tabulating

machines. Pupils would record attendance and answer questions by pushing buttons. Special machines would be "geared" for each individual student so he could advance as rapidly as his abilities warranted. Progress records, also kept by machine, would be periodically reviewed by skilled teachers, and personal help would be available when necessary.

science of learning...



what did **YOU** do with technology *today*?



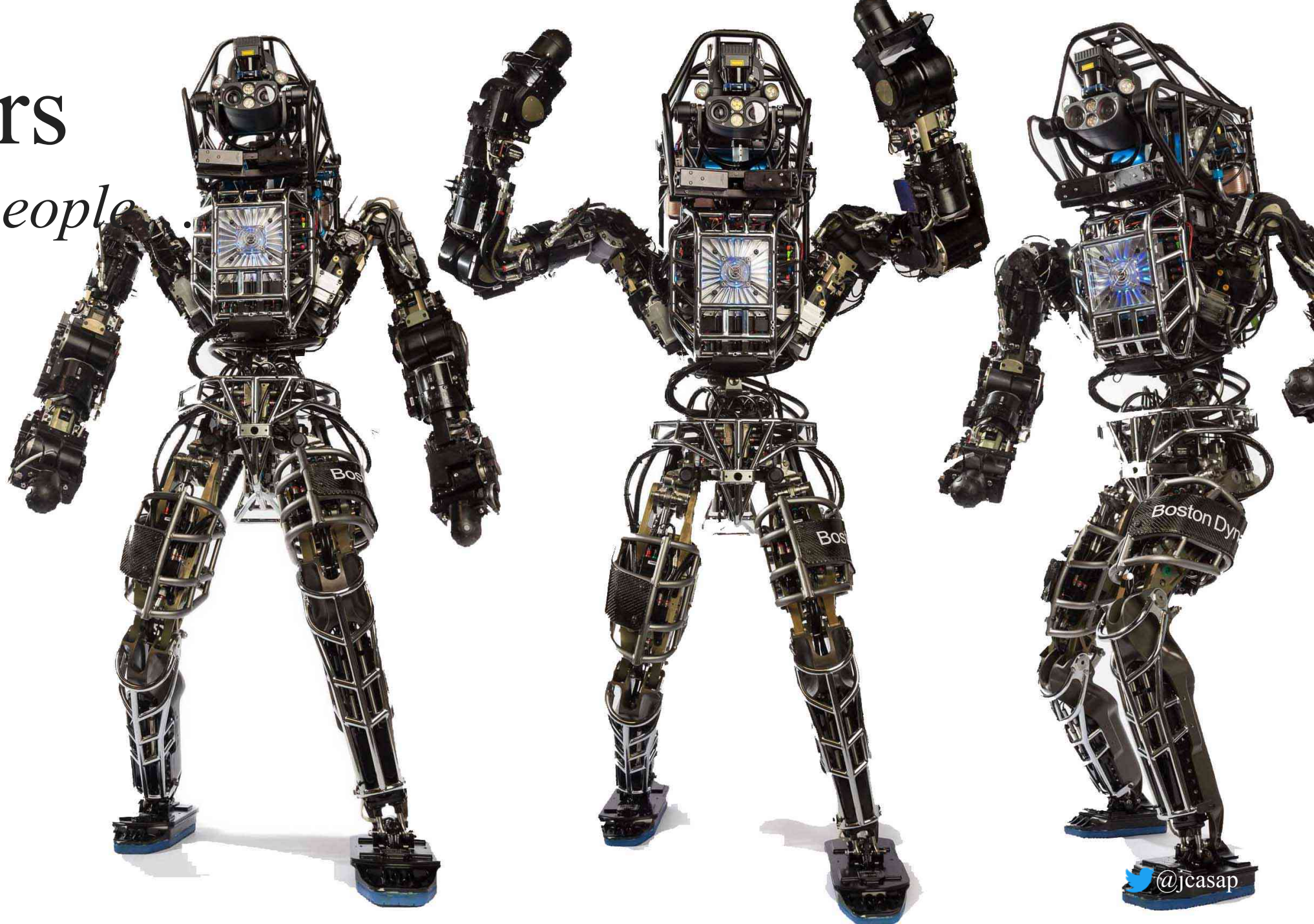
generation Z is
global, social, visual,
and technological...

what generation z is facing

jobs are not being replaced by
other people...



workers
won't be *people*.

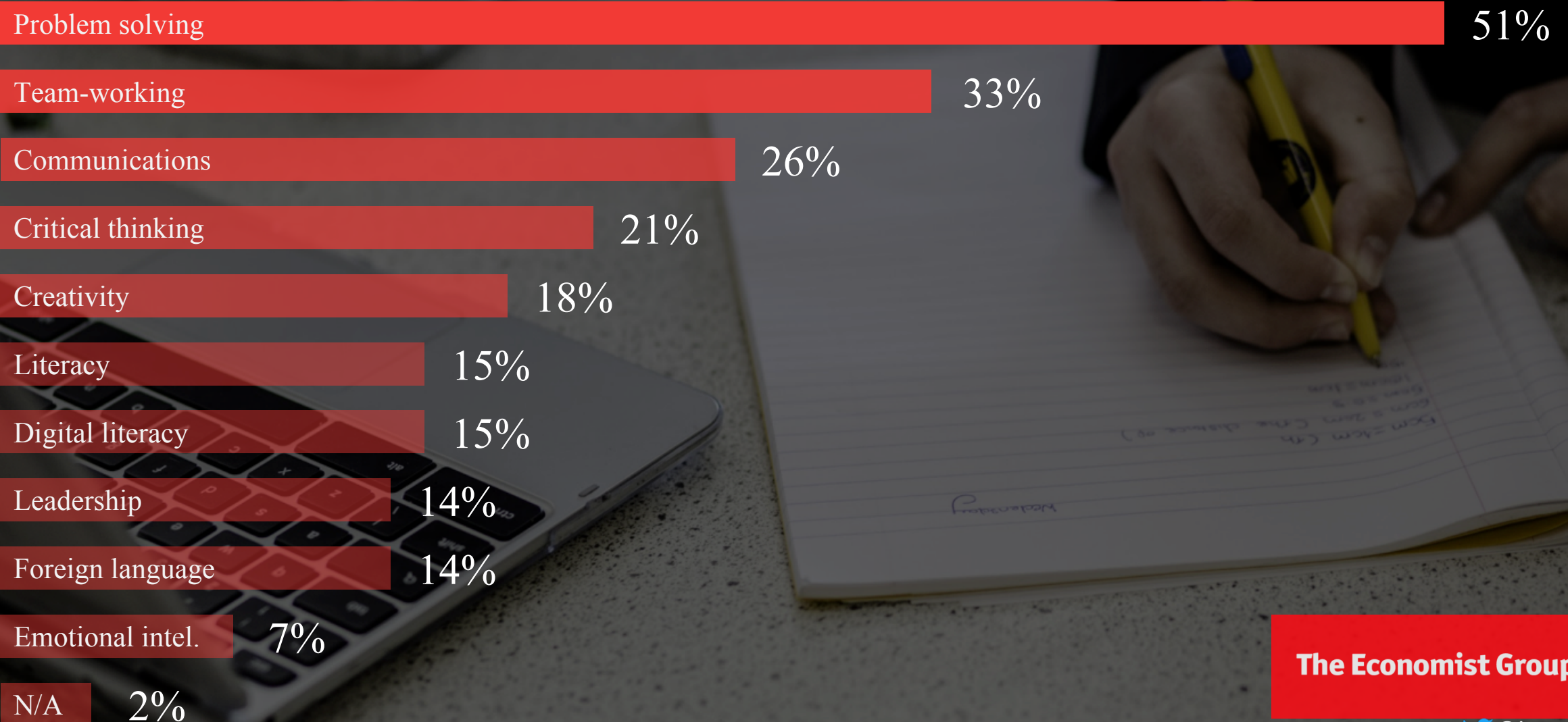


workers won't be
needed for many *jobs*...



skills needed by generation z

skills *needed* in the workplace...



The Economist Group

 @jcasap

what **problem** do *you* want
to solve?



iteration is the *result* of critical thinking...

A group of people are gathered around a table in what appears to be a workshop or meeting. In the foreground, a man with short dark hair is seen from the side, looking towards the center. In the middle ground, a man with short dark hair and glasses is looking at a tablet. He is wearing a white polo shirt under a black vest with a blue logo and a red number '4' on the sleeve. A blue lanyard is around his neck. To his right, another man with glasses and an orange shirt is looking down at a laptop. In the background, other people and white chairs are visible. Several laptops and tablets are open on the table, displaying various web interfaces. The text 'collaboration is *how* problems are solved...' is overlaid in white serif font on the right side of the image.

collaboration is *how* problems
are solved...

A black and white photograph of a crowded train car. Numerous passengers are seated, many holding and reading newspapers. The scene is viewed from the back of the car, looking forward. The text "we need *digital* leaders..." is overlaid in the upper right. A "FREE" sign is visible on the left wall.

we need *digital* leaders...

need for a culture shift



converting *information* into intelligence...

student *centered* learning models...



nothing is *more* important...



[illegible]



to bring education to the next *level...*



iteration *and* innovation drives
transformation...



transformation has *no* end
point...

we are *just* getting started...





thank *you...*