

Sunday News No. 90

April 12th, 2020

"[The pandemic] is a portal, a gateway between one world and the next. We can choose to walk through it, dragging the carcasses of our prejudice and hatred, our avarice, our data banks and dead ideas, our dead rivers and smoky skies behind us. Or we can walk through lightly, with little luggage, ready to imagine another world. And ready to fight for it." Arundhati Roy: [‘The pandemic is a portal’](#)

The virus

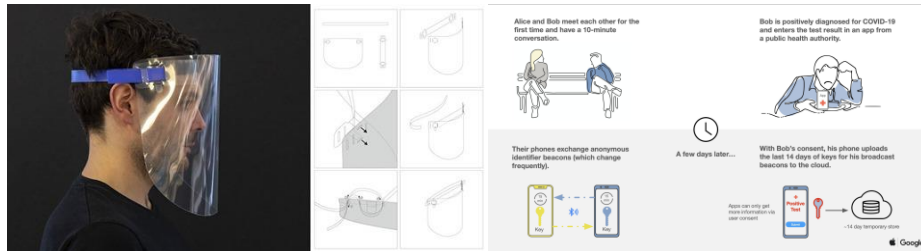
[Bad news wrapped in protein: inside the coronavirus genome](#)

[Humanity tested](#). See also [Fast, portable tests come online to curb coronavirus pandemic](#)

[For survivors of severe COVID-19, beating the virus is just the beginning](#)

[Herd immunity: a rough guide](#)

Solutions



[Foster + partners shares template for a reusable face visor to aid the fight against COVID-19](#)

[Apple-Google tracing system](#)

[Face masks for COVID-19: A deep dive into the data](#)

[Efficient lockdowns: an algorithm to optimize lockdown schedules](#)

[We mapped how the coronavirus is driving new surveillance programs around the World](#)

[The COVID-19 vaccine development landscape](#)

Around the World

[The U.S. was beset by denial and dysfunction as the coronavirus raged](#)

[Inside a two-week quarantine in Singapore](#)

[A German exception? Why the country's coronavirus death rate is low](#)

[Finland, 'Prepper Nation of the Nordics,' isn't worried about masks](#)

[Austria and Denmark are first in Europe to announce easing of coronavirus lockdowns](#)

[Israel, ranked 'safest' place in pandemic, draws on Asia's lessons](#)

[A chat with Mexico's coronavirus czar](#)

Heroes of the coronavirus era

[The rising heroes of the coronavirus era? Nations' top scientists](#)

[Acreditem que tudo fazemos para os salvar](#)

Re-opening

[The parents are not allright](#)

[Four benchmarks to re-open the Nation](#)

[We need smart solutions to mitigate the coronavirus's impact. Here are 20](#)

[The four rules of pandemic economics](#)

[Da leitura do Expresso na Sexta Feira Santa](#) (a brutal post by Pedro Santa Clara)

Sunday News is a selection of about 20% of the links posted daily by the [Explora community](#). I can add you if you want (need to have a Facebook account). Newcomers can check previous Sunday News editions at [Explora live](#). They can also access Sunday News First Year Highlights [here](#).

Stay safe

Antonio Camara

Education

High quality courses that are helpful to review while in quarantine

[The Feynman Lectures in Physics](#), by Richard Feynman at Cal Tech

[Conflict, Coalition and Strategy](#), by Thomas Schelling at Harvard

[Virtual Reality Systems](#), by Douglas Lanman at U. Washington

[How to Make Almost Anything](#), by Neil Gershenfeld at MIT

[Software Education Module](#) (for middle school students), South Korea's KOFAC Program

[A complete list of what to do — and not do — for everyone teaching kids at home during the coronavirus crisis](#)

[Open Culture](#), the best free cultural and educational media on the Web

[Wide Open School](#): schools are closed, minds are open. See also CB Insight compilation [“School from home”](#)

[How Covid-19 is accelerating the disruption of Higher Education](#)

[A group of tech billionaires is funding 'fast grants' of up to \\$500,000 for COVID-19 research, with every grant decision made in less than 48 hours](#). See also [Fast Grants](#) website.

[Coronavirus in Europe: EU science chief quits, slamming response to pandemic](#). See the [ERC Scientific Council reaction](#)

Food

[Turning your home in your main food producer](#)

Mobility



[Toyota and Hino to develop a heavy-duty hydrogen fuel cell truck](#) (via Tiago Carita)

Cities, Nature and Clean Tech

[Keep the parks open](#)



[Huge feral hogs invading Canada, building 'pigloos' as they go](#)



[Whale sharks: Atomic tests solve age puzzle of world's largest fish](#)

[Signal Kinetics team wins Explorer Prize in Ocean observing prize's DISCOVER Competition](#)

[Scientists create mutant enzyme that recycles plastic bottles in hours](#)

Developing new companies

@benedictevans

Stepping back, it's striking that Zoom has made such a big impact despite every tech giant having a big mature product in this area. It's not as hard to displace these companies as some would think, if you can find the right wedge. This also reminds me of the founding legend of Dropbox: everyone told Drew Houston 'there are dozens of these' and he said 'yes, but do you use any of them?'

[For startups, relevance matters.](#) "Resilience is not the only game in town" (excellent)

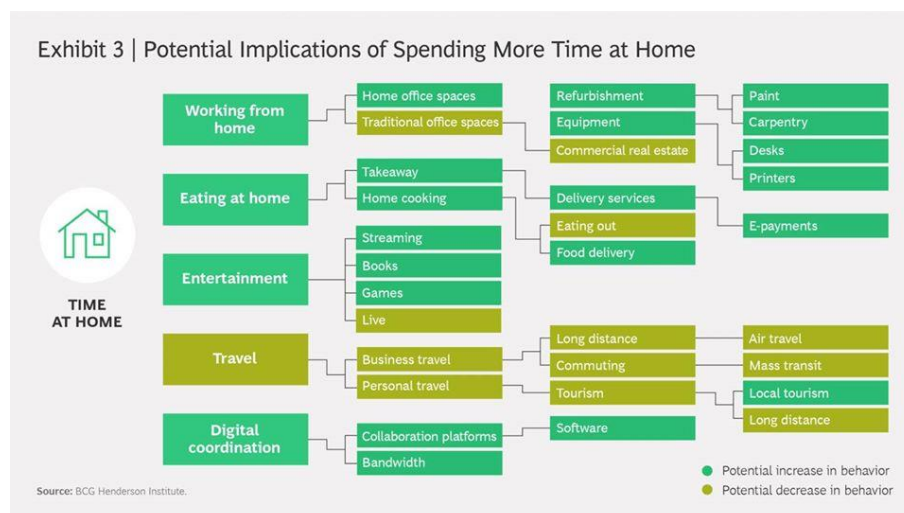
[Startups helping you work from home.](#) Also a thread on the [impact of Working from Home \(WFH\)](#)



2 minutes to apply. 2 days to receive the funds

[5 things that will not change in the post-coronavirus economy; 5 good things that will follow from this pandemic](#)

[How Covid-19 could change fashion and retail, according to experts](#)



[Sensing and shaping the post-Covid era](#)

[The coronavirus pandemic will break globalization](#)

[The normal economy is never coming back](#)

AR/VR/AI/Quantum Computing/IoT

[Facebook's smart glasses peek out from the curtain](#)

[Metame](#): "Your data is yours to own, use and monetize however you choose" (via Michael Babb)

[Rosebud AI](#): generate your ideal model face for any photo to target any demographic

Far out



[The real reason every fashion company is now making face masks](#)

[Recreating the restaurant experience at home](#)

[The World's great photographers, many stuck inside, have snapped](#)

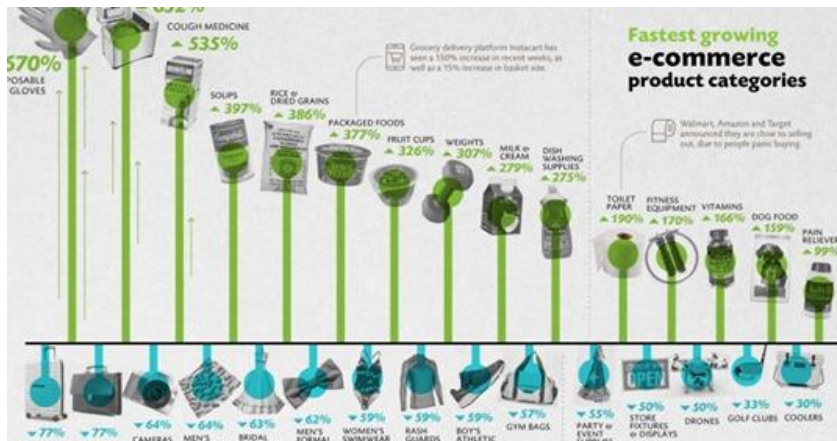
[Why are pandemic dreams so weird?](#)



[Colombia's narco-submarines - a photo essay](#)

[What is Britain without the pubs?](#)

[Jack Dorsey pledges \\$1 Billion to fight coronavirus.](#) @jasonkhackett "Simply removing one particular user from your platform would be orders of magnitude more beneficially impactful for humanity Mr Dorsey."



[What are shoppers buying online during Covid-19](#)