

Food marketing to children in a digital world

Methods, ethics, challenges

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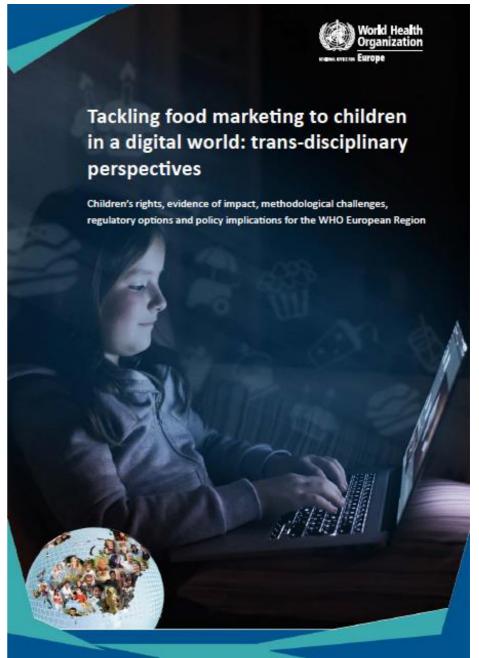




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WHO'S FEEDING THE KIDS ONLINE?

Digital Food Marketing and Children in Ireland





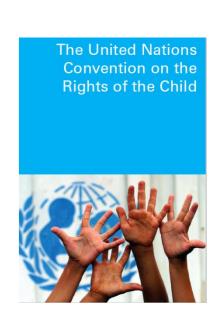




The Rights framework

UNCRC, 1989

- Children have rights...
 - to protection of health, of privacy, and against economic exploitation
 - to participation (including in digital media)
- Parents should facilitate these rights
- States should support parents in this
- UNCRC, Arts. 3,4,5,12, 13,14, 16, 17, 18, 24, 32
- International Covenant on Economic, Social and Cultural Rights
- UN 'Ruggie' Guiding principles on business and human rights





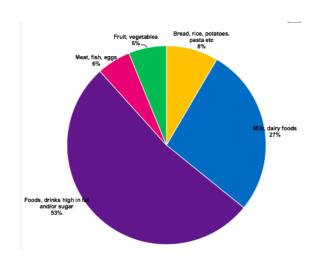
Gaps in current regulation

- Addresses "child-directed"/ "children's" media, not children's greatest media use
- Applies to marketing targeted at children, not marketing to which they are exposed
- Nutrient Profiling methods: weak or absent
- Adolescents rarely protected
 - NB: In social media, everyone's an adult
- Digital media rarely addressed

'Advertised diet' on regulation-compliant children's TV Island of Ireland

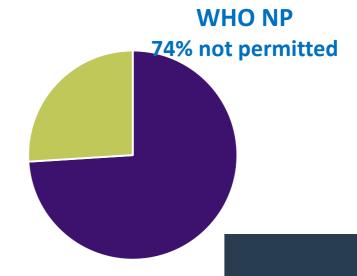


Viewing patterns: 4-6 years (NI/RoI)



UK Nutrient Profiling (NP)53% not permitted

Tatlow-Golden, Murrin, Bergin, O'Brien, Kerr & Livingstone (2016) *Irish Journal of Psychology*



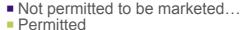
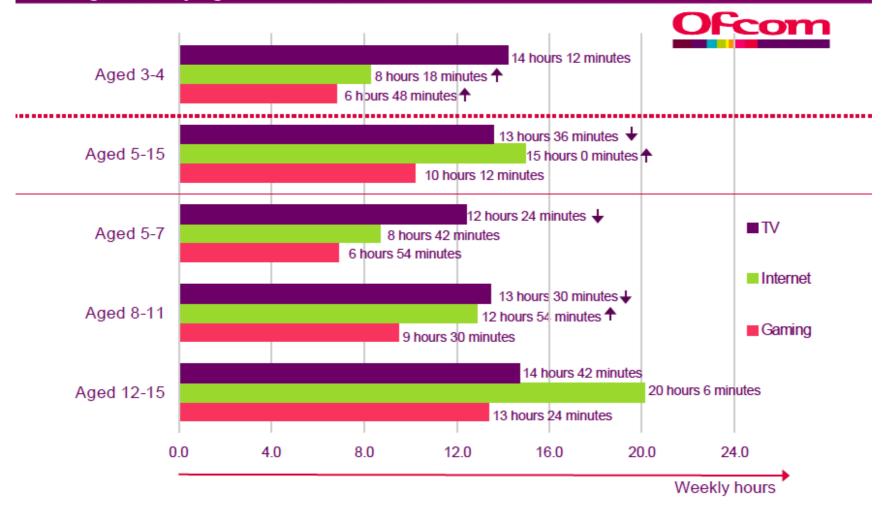








Figure 14: Estimated weekly hours of media consumption at home or elsewhere among users, by age: 2016



QP13A-B/ QP25A-B/ QP66A-B How many hours would you say he/ she spends [USING MEDIUM] on a typical school day/ on a weekend day?. Responses are taken from the child aged 8-11 or 12-15 rather than the parent.. Sase: Parents of children aged 3-7 and children aged 8-15 who use each medium (VARIABLE BASE) - Significance testing shows any change between 2015 and 2016



Since the **EU** Kids Online 2010 survey of 25 countries, our sister project Net Children Go Mobile updated the survey in seven countries in 2014.*

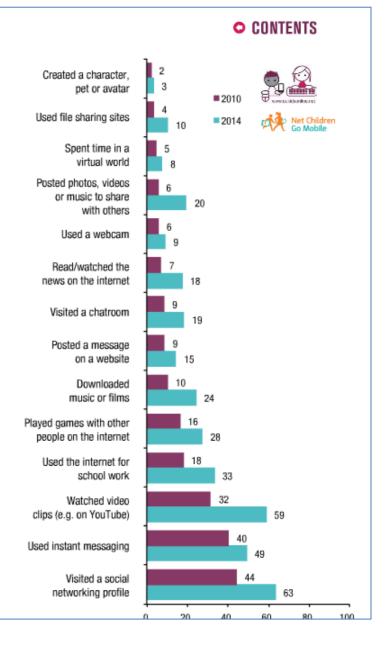
Data from 11- to 16-year olds in 2010 and 2014 (for Belgium, Denmark, Italy, Ireland, Portugal, Romania and the UK) show what they do online on a daily basis.

While they are indeed doing more than before, the ladder of opportunities is as steep as ever.

Children are most likely to engage with social network sites, instant messaging, YouTube and gaming.

They are much less likely to create or upload content, read the news online or participate in virtual worlds.

*Net Children Go Mobile surveyed 9- to 16-year olds in Belgium, Denmark, Italy, Ireland, Portugal, Romania, UK.



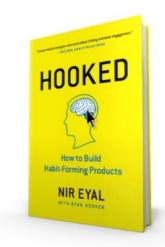


Designed to be addictive

"A must read for everyone who cares about driving customer engagement."

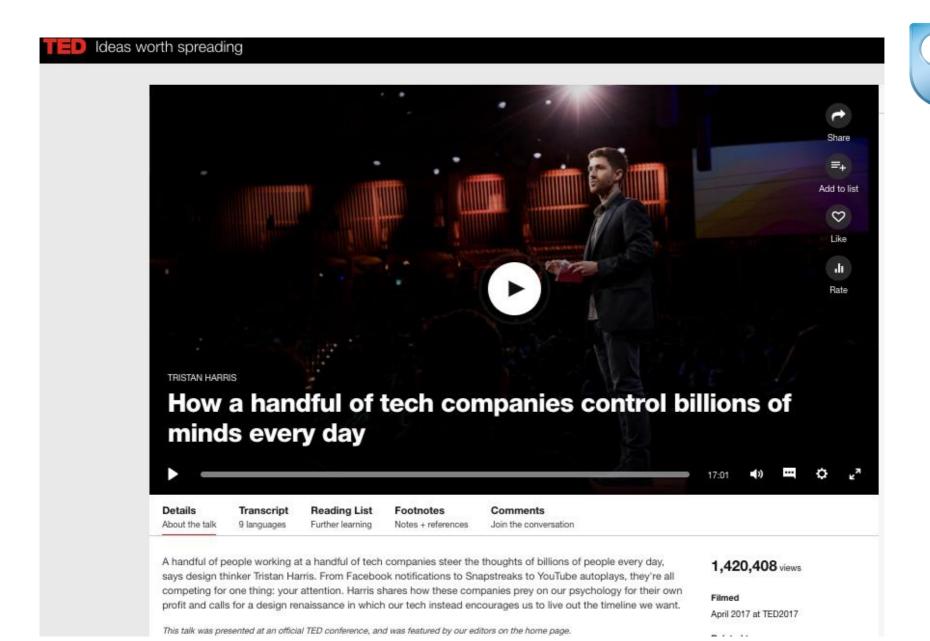
—Eric Ries, author of The Lean Startup

Get your autographed copy





https://www.ted.com/watch/ted-institute/ted-ibm/nir-eyal-what-makessome-technology-so-habit-forming



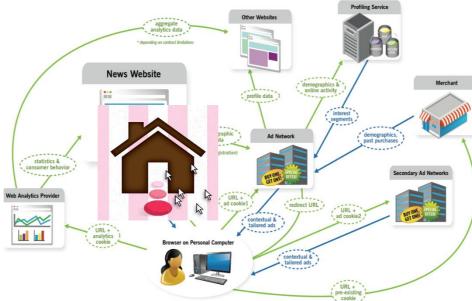
 https://www.ted.com/talks/tristan_harris_the_manipulative_tricks_tech_companies_use_to_ca pture_your_attention





Designed to extract data

Targeted advertising is the business model



Browser sniffing, Browser fingerprinting 'Flash', 'Zombie' cookies
Geo-location
Device fingerprinting, Device graphs
Social graphs ... & more

The Intersec

98 personal data points that Facebook uses to target ads to you







Marketing in digital media

Promotional activity in digital media, maximizing impact with novel **creative and/or** analytical methods

- analytics
 - of behaviour: hone marketing communications and maximize creative impact;
 - of emotions, responses, preferences, behaviour and locations: target specific groups, individuals, and moments of vulnerability.





INBOUND MARKETING

Context Marketing is the New Content Marketing: Are You Ready?

By Karen Taylor Dec 7, 2015

Buyer 'personas' Buyer 'journeys' Contextual data

https://www.kunocreative.com/blog/context-marketing-content-marketing



Designed to target = greater vulnerability

Article

Finding Orchids in a Field of Dandelions: Understanding Children's Differential Susceptibility to Media Effects American Behavioral Scientist 2015, Vol. 59(14) 1776–1789 © 2015 SAGE Publications Reprints and permissions: sagepub.com/journalsPermissions.nav DOI: 10.1177/0002764215596552 abs.sagepub.com





Jessica Taylor Piotrowski¹ and Patti M. Valkenburg¹

Abstract

Most youth and media researchers do not believe that media affect all youth in the same manner or to the same degree. While most media effects theories reflect this belief, empirical efforts often do not. Rather than conceptualizing individual differences as noise or nuisance variables, we argue that the future of media effects research lies within understanding these differences. To that end, the aim of this article is to help youth and media researchers identify appropriate moderators for study inclusion. We discuss the concept of differential susceptibility, with a particular focus on the differences between orchid and dandelion children, highlighting theoretical and empirical applications of this susceptibility paradigm to media effects research. We believe that a more integrative approach to youth and media research, built on a differential susceptibility paradigm in which moderators are thoughtfully integrated a priori, can provide us with nuanced answers to the complex questions associated with youth and media effects.

Digital 'natives? Problematic concept... and doesn't confer protection



Aren't children protected?



Global Privacy Enforcement Network



American St. Robert & Distance Comp. Proper Property Street Printers

Children's Online Privacy Protection Rule ("COPPA")

- Under-13s:
- Online Behavioural Advertising not permitted

BUT

 Can collect data with 'verifiable parental permission'

	Frequency	Percentage
 Number of websites / apps examined which collect one or more pieces of personal information 	999	(67%)
 Number of websites / apps for which protective controls effectively limit the collection of personal data 	332	31%
Number of websites / apps for which there is an accessible means for defetion of account information	304.5	29%
 Number of websites / apps for which sweepers identified concerns 	446	41%
Disclosure	Frequency	Percentage
Number of websites/apps which may disclose personal information	561	51%
Controls	Frequency	Percentage
Number of websites/apps which request some form of parental involvement.	365	24%
Number of websites/apps with a parental dashboard	158	14%
Number of websites/apps for which the child could be redirected off the site	861	58%
Number of websites/apps that tailor protective communications to children	230	22%



Ethical and legal challenges

- Children's data
- Public or private?
- Valid consent?
- Sensitive information
- Security of processing
- Withdrawal of data
- Benefits and harms

Tatlow-Golden, Verdoodt, Oates, Jewell, Breda & Boyland, WHO Public Health Panorama forthcoming

Nearly 1 in 5 have teen appeal



Examples of features of websites for food and drink likely to appeal to teens



Entertainment: Co-creating content, downloading Coca-Cola emojs and cycling on Coca-Cola city bikes **



Enterlainment/celebrity: Angela Scanion (TV presenter & digital host of The Voice) iaunched Colle's 360 les tival selfle stage *



Sport/telebritles: Gienisk is the official yagurt of the IRFU and Ireland rugby stars feature **



Sport/celebritles: Rugby World Cup stars feature in a Lucazade Sport competition ²¹



Entertainment: Red Buil site with features on gaming and music news 32

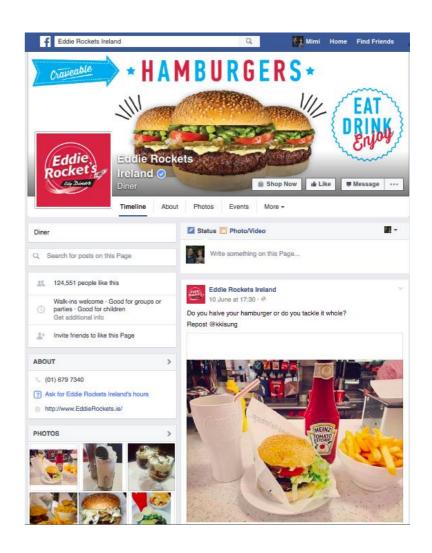




Social media marketing



- Brand Pages Build a 'closer relationship' with social media users
- Ask them to be a 'friend'/
 'follow' / 'like' / 'tag'
 others...
- Brand posts appear like friends' news and updates
- User-generated content





Contents lists available at ScienceDirect

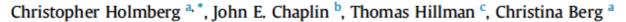
Appetite

journal homepage: www.elsevier.com/locate/appet





Adolescents' presentation of food in social media: An explorative study







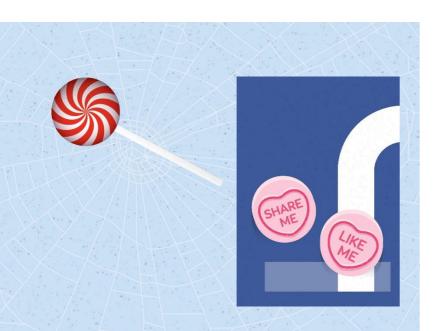
#14 år (14 years) 85% shared food images

68% energy-dense, nutrient poor 21% fruit & veg













Humour

Eddie Rockets Ireland

I like BIG BUNS and I cannot lie! Tell us your favourite hamburger for a chance to win a €3000 trip to the USA! To enter just fill in an entry form at your nearest diner!!



Humour, Engagement (comment, in-store), Competition, Bold graphics

Lucozade Energy Ireland

Get yourself over the midweek hump with a Grafruitti



Food or drink, packaging, or brand logo shown; or none shown

Ben & Jerry's

Remote control, check. Spoon, check. Chocolate Fudge Brownie, check. And relaaaaaaax!



Food shown, Packaging shown

Subway UK & Ireland

#chooseday you know what to do! Chicken Pizziola vs Big Beef & Chorizo Melt you decide!



KitKat

Retro or real-life, beat your highscore gaming break with KitKat.



No food, brand logo or packaging shown in the post; Fun

Cadbury Dairy Milk

Looks delicious right? All you have to do is upload a pic of your favourite #PuddlesRainDance move and we'll send you one!

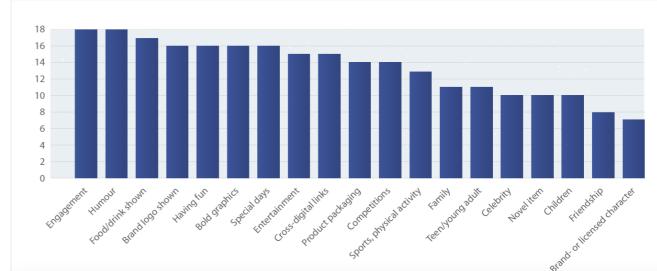




Engagement Emotion Entertainment



Figure 1: Top techniques used in Facebook food and drink marketing: 18 brand Pages popular with young people in Ireland







Digital marketing impact: Industry research

1. Amplifies TV & other effects

- > reach
- > recall
- brand likeability (Facebook, 2015)70% increase of TV effects (Microsoft, 2013)

2. Greater effects for less spend

x4 direct return, vs TV (Peterson, 2014) x3 recall compared to control groups FB, 14 campaigns (Gibs & Bruich, 2010)





Do teens make informed choices?



Our promise.

At Mars we take our responsibility for marketing our brands appropriately very seriously.

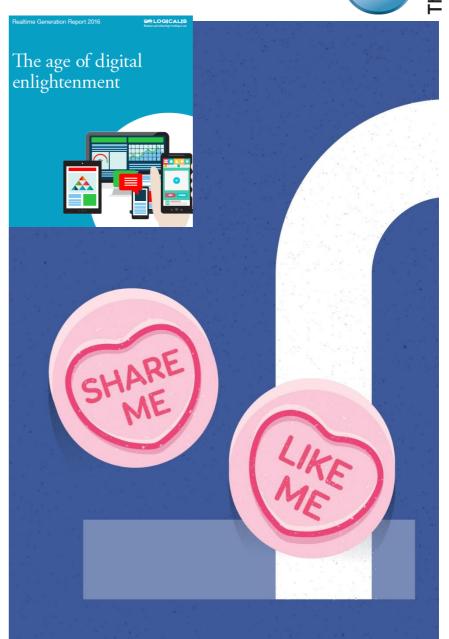
... Marketing Code ... states that we only promote our products to people aged 12 and over as this is the age at which we believe that people can make informed choices about sensible snack consumption



Are teens interested in digital marketing?

UK 13-17y online (Logicalis, 2016):

- 73% follow brands they like
- 62% click on ads
- 57% make in-app or in-game purchases
- Media-literate but... susceptible to emotional, networked, social effects of advertising



'Informed choices'?

'Media literate' = can recognise ads, understand persuasion and yet...

Adolescent developmental needs

- Social: Connect with peers
- Biological: More impulsive, more responsive to HFSS ads than adults
- Identity: social media, HFSS foods are actively used

Gearhardt et al., 2014, Harris et al., 2009; Harris et al., 2014; Leiss et al, 2013; McCreanor et al., 2005; Pechmann et al., 2005; Fitzgerald et al., 2010, 2013; Ionnanou, 2009; Stead et al., 2011; Trew et al., 2005







Social Influence on Risk Perception During Adolescence

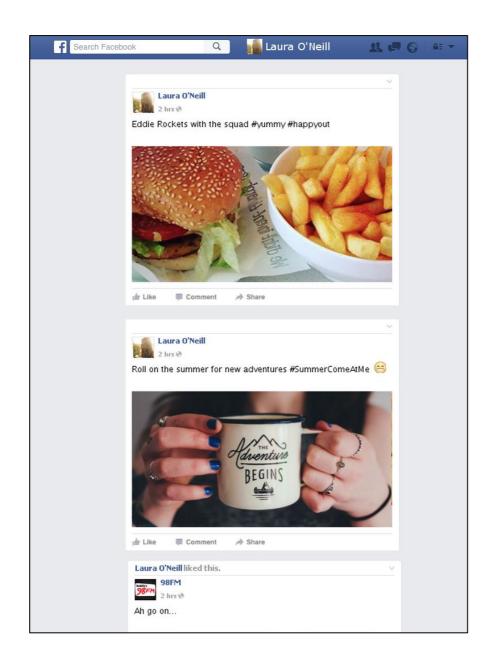
Psychological Science 1–10 © The Author(s) 2015 Reprints and permissions: sagepub.com/journalsPermissions.nav DOI: 10.1177/0956797615569578 pss.sagepub.com



Lisa J. Knoll¹, Lucía Magis-Weinberg², Maarten Speekenbrink², and Sarah-Jayne Blakemore¹

¹Institute of Cognitive Neuroscience and ²Department of Experimental Psychology, University College London

of social influence on risk perception from late childhood through adulthood. Five hundred and sixty-three participants rated the riskiness of everyday situations and were then informed about the ratings of a social-influence group (teenagers or adults) before rating each situation again. All age groups showed a significant social-influence effect, changing their risk ratings in the direction of the provided ratings; this social-influence effect decreased with age. Most age groups adjusted their ratings more to conform to the ratings of the adult social-influence group than to the ratings of the teenager social-influence group. Only young adolescents were more strongly influenced by the teenager social-influence group than they were by the adult social-influence group, which suggests that to early adolescents, the opinions of other teenagers about risk matter more than the opinions of adults.





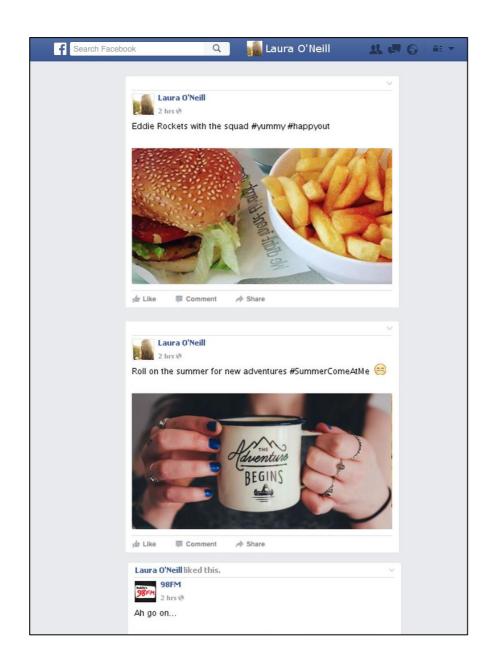
In social media, young adolescents...

recall and recognise unhealthy food brands more than healthy- or non-food brands

Sheppard, Rooney, Murphy, Boyland & Tatlow-Golden (under review)

Awareness:

The first step in the hierarchy of effects (Kelly et al, 2015)



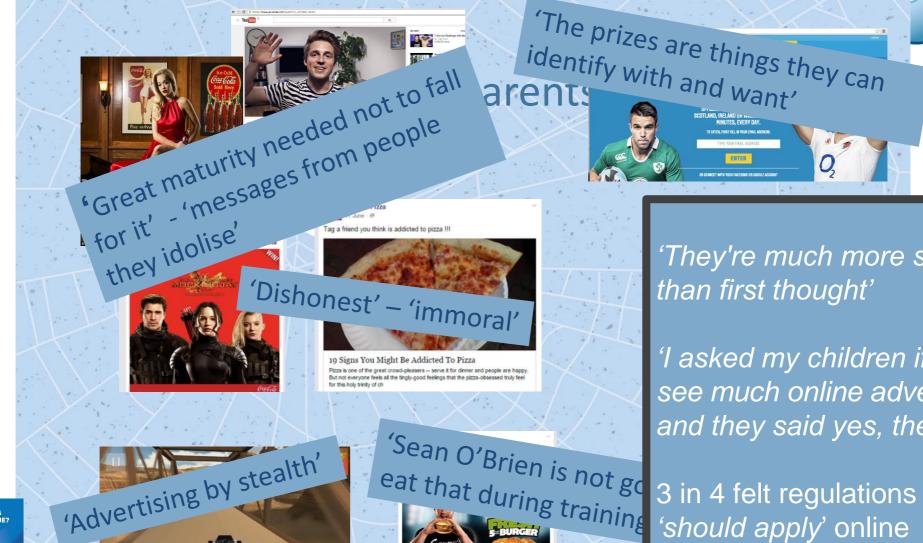


In social media, young adolescents...

... would share content and like profiles more that feature food marketing for unhealthy items

Murphy, Tatlow-Golden, Boyland & Rooney (in preparation)

Unhealthy food items – role in adolescent identity



'They're much more subtle than first thought'

'I asked my children if they see much online advertising and they said yes, they did'

'should apply' online

Some caveats





https://www.ft.com/content/fb66c818-49a4-11e6-b387-

64ab0a67014c



News InFact Politics Voices Indy/Life Business Sport Tech Culture Subscribe



Children want...

Fewer ads 71%
Less fake news 61%
More creative content 55%
More privacy 49%

ews > Education > Education News

Children increasingly disillusioned with social media, survey shows

British students said they want to see fewer advertisements and less fake news

By David Young | 6 days ago | 💭

http://www.independent.co.uk/news/education/education-news/facebook-survey-children-disillusioned-social-media-use-less-hmc-study-a7985391.html

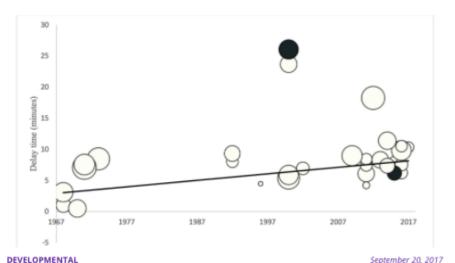


Research **Digest**

Digest App for iOS / Android

PsychCrunch Podcast

Our Weekly Email



September 20, 2017

Children of today are better at delaying gratification than previous generations

By Christian Jarrett

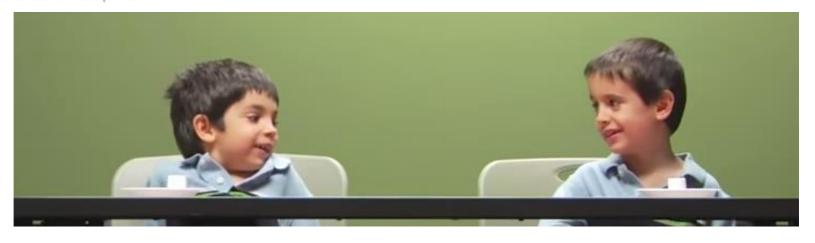
If you believed the copious alarmist commentary in the newspapers, you'd fear for the future of our species. Today's children, we're told, are more hyperactive and technology addicted than ever before. They've lost any ability to sit still, instead craving constant stimulation from digital devices and exhausted parents.

More self-control?



https://digest.bps.org.uk/2017/09/20/child ren-of-today-are-better-at-delayinggratification-than-previous-generations/

> The Marshmallow **Test**







Empirical Article

The Decline in Adult Activities Among U.S. Adolescents, 1976-2016

Issue



Jean M. Twenge1,* and Heejung Park2

Version of Record online: 18 SEP 2017

DOI: 10.1111/cdev.12930

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Child Development
Early View (Online Version of
Record published before

inclusion in an issue)

Growing up more slowly? Less

Driving

Alcohol

Sexual activity

Dating

Working for pay

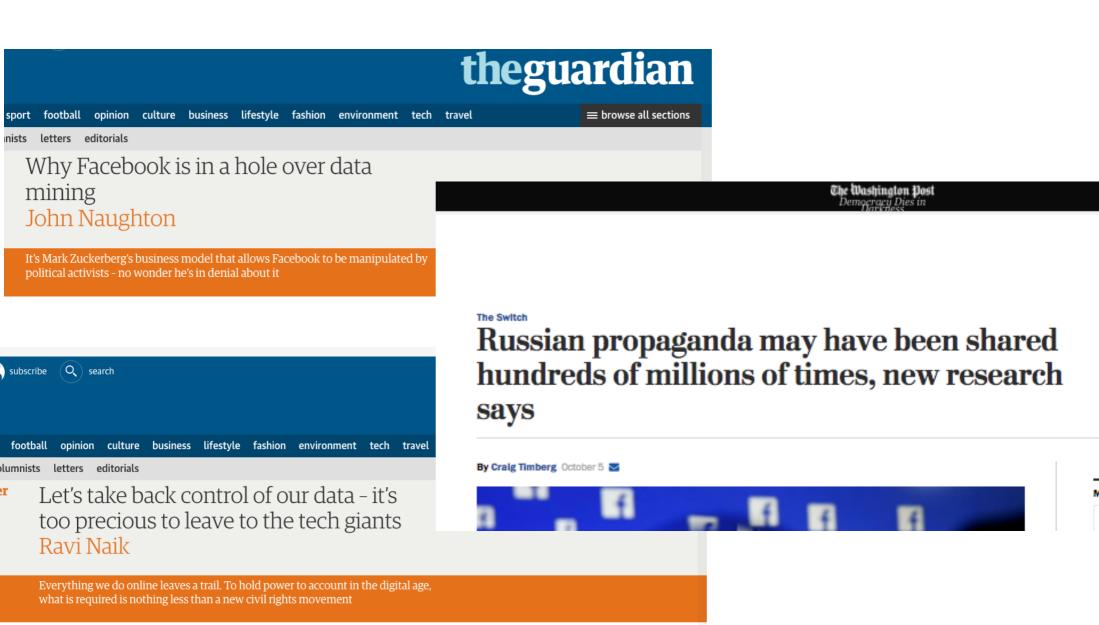
Going out without parents

... not explained by time on homework, and may not be related to internet use

Interaction of all these various changes in children's experence and outcomes has not been explored

Is the conversation changing?









Patricia Hodgson says she believes sites could be classified as publishers, as businesses face pressure over fake news



Tuesday 10 October 2017 14.28 BST



If they are 'publishers' they will be subject to regulation

And yet...



Cambridge Analytica isn't worried about Facebook ad restrictions

'Facebook is largely the Wild West in terms of regulations,' targeting firm says

by Russell Brandom | @russellbrandom | Oct 3, 2017, 1:25pm EDT





"Facebook is largely the Wild West in terms of regulations"

https://www.theverge.com/2017/10/3/16410950/facebook-cambridge-analytica-russia-ad-targeting-restrictions

SUMMARY: The Issues

- Children's 'advertised diet'
 - Even more unhealthy in social media?
 - targeting creates more vulnerability
- Digital marketing: Engagement, emotion, entertainment
 - Ads grab attention, persuade covertly, subvert media literacy
- 'Big data' analytics
 - Amplify power of marketing
 - Target those most vulnerable
- Users' "choice" is distorted
- Parents unaware
- Researchers' access denied
- Children's rights not respected



THE SEARCH FOR SOLUTIONS

- Research methods, ethics and legality remain to be specified in digital media
- Children and young people what are their practices?
- BUT ... cognitive awareness, attitudes likely to be independent of emotional, unconscious effects of marketing
- Healthy apps, marketing, targeting, social marketing, media literacy – caution required



THE SEARCH FOR SOLUTIONS 2

- Privacy and targeting: Why is extraction, storage, sale of personal data and targeted advertising legally permitted for under-18s?
- Children/youth as knowing subjects when consuming food, data and digital privacy information. Are they?
- **Differential susceptibility** is critical. Vulnerability is washed out in studies reporting whole-group effects





Thank you!

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