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REINVENT LEARNING



Meet the Team



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Development Manager



Christina Wahl

Global Communications Manager

WHAT WE'RE ANNOUNCING

HP CHROMEBOOK EDUCATION

JAN 2020



FEB
2020



JAN 2020



JAN 2020



HP
Chromebook
11 G8 EE

*Clamshell Chromebooks built for schools
and designed for learning*

HP
Chromebook
11A G8 EE

HP
Chromebook
11 x360 G3 EE

*x360 Chromebook
built for teaching and
learning*

HP
Chromebook
14 G6

*Redesigned large-
screen Chromebook
for educators and
students*

**#1 HP CHROMEBOOK EDUCATION
PC MARKETSHARE**



HP WW EDUCATION INDUSTRY LEADERSHIP



Contribute
to the Literature



Rapid Development
of Innovations



Confer Benefits
to the World



Deliver
Results



EDUCATION PAIN POINTS AND TRENDS

SCHOOL ENVIRONMENTS ARE CHALLENGING



Middle schools are the most demanding product environment for PCs

DOWNTIME IS COSTLY TO STUDENTS AND TEACHERS



Technology-induced Downtime Is not acceptable

TEACHING AND LEARNING HAVE EVOLVED



Learning has become mobile



THE CLASSROOM OF THE FUTURE

MUST BE CENTERED ON STUDENTS and

RUGGED, RELIABLE STUDENT DEVICES

More engaged &
successful
STUDENTS



Empowered, enabled
& professional
TEACHERS



Immersive,
constructivist
CLASSROOMS



Safer, more
efficient & effective
SCHOOLS



More vibrant and
participatory
COMMUNITIES



Mobile | Exciting | Immersive | Engaging | Kinetic | Safe | Personalized | Fun | Adaptive | Participatory | Relevant



THE CULMINATION OF OUR RESEARCH AND TESTING

HP EDUCATION EDITIONS

BUILT FOR SCHOOLS.
DESIGNED FOR LEARNING.



EDUCATION
RUGGED



LONG
BATTERY
LIFE



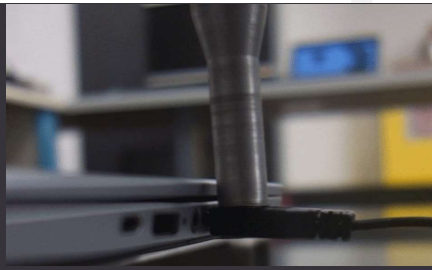
EDUCATION
PRODUCTIVITY



LEADERSHIP
WIFI TECH

HP TEST PROCESSES

120,000 hours of testing



TOTAL
TEST
PROCESS



EDUCATION
TEST
PROCESS

TESTING PERFORMED

- ✓ ELECTRICAL
- ✓ POWER
- ✓ PERFORMANCE
- ✓ RELIABILITY
- ✓ THERMAL
- ✓ ACOUSTIC
- ✓ DURABILITY
- ✓ COMMUNICATION

EXTENDED EDUCATION TESTING PERFORMED

- ✓ TUMBLE TEST
- ✓ DROP TEST
- ✓ YANK TEST
- ✓ DC JACK ANGLED DROP
- ✓ EXTENDED OVERLOAD
- ✓ BEND TEST
- ✓ DISPLAY PULL TEST



HP EDUCATION DESIGN REVOLUTION

New responsive design features* to create incredibly rugged education products which reduce lifetime TCO



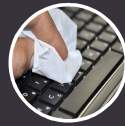
VISIBLY
DURABLE
WITH
LARGER
BUMPERS



NEW
DESIGN
WITH
GRIP
TEXTURE



ANCHORED
SKIRT
KEYBOARD



WIPEABLE
KEYBOARD



IMPROVED
REINFORCED
USB C PORTS



IMPROVED
REINFORCED
CORNERS

DRAMATICALLY REDUCE
COST & REPAIR TIME



LOWER-COST WARRANTY
PARTS FOR REPAIRS

*Not all features are available on all systems.

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EDUCATION EDITION

HP Chromebook 11 & 11A G8 EE

HP Chromebook x360 11 G3EE

BUILT FOR SCHOOLS



A Chromebook built to
withstand student school
days

- ✓ Education ruggedness
- ✓ Battery life
- ✓ Leadership wireless



ENHANCED DURABILITY

120,000 hrs of rigorous testing⁸

NEW 122 cm drop on plywood⁸

76 cm drop on concrete⁸

200 tumble cycles⁸

SPILL-⁸ AND PICK-RESISTANT Keyboard

NEW HP anchored keyboard design helps
resist picking

Minor spill-resistant keyboard⁸
survives minor spills

REINFORCED USB-C™⁸ & CORNERS

NEW Enhances reliability in heavy
usage classroom environments





EDUCATION EDITION

HP Chromebook 11 & 11A G8 EE

HP Chromebook x360 11 G3EE

CLASSROOM-READY



- ✓ Modern processors for mobile learning
- ✓ All day battery life
- ✓ Education productivity



Modern processors for mobile learning

NEW

Intel® Celeron®
AMD™ A4 & A6 processors⁵

ALL DAY BATTERY

HP Fast Charge - 90% in 90 minute⁷
up to 13.5 hours² (Intel) and
up to 10 hours² (AMD)

HP CLASSROOM MANAGER⁴

Easy for teachers to manage student activities and collaborate effectively





HP Chromebook 11 G8 EE

HP Chromebook 11A G8 EE

Passes MIL-STD 810G testing¹ and HP's own Total Test Process
PLUS extra education testing

Helps absorb shock from accidental drops and bumps
With larger rubber bumper on edges and corners

NEW

Withstand heavy usage environment
Reinforced ports and corners

NEW

Collaborate with ease 180° lay-flat
hinge & optional IPS Touchscreen³

Wipe-able¹⁹ keyboard
With scratch-resistant coating

NEW

Spill-resistant and pick resistant
anchored skirt keyboard⁸

NEW



Slim design slips into a backpack with ease
Z-Height: 18.85 mm



NEW

Easy-to-grip chassis
Minimizes fingerprints and cosmetic scratches

NEW

Fast and reliable connectivity
Intel® & Qualcomm® 2x2 AC⁶ WLAN
HP Extended Range Wireless LAN¹⁴

NEW

Modern day processors for
mobile learning
Intel® and AMD™ processors⁵

Sage Green



NEW


Color options*
(In select regions)

NEW

Chalkboard Gray



Battery life beyond the school day
with HP Fast Charging Technology⁷



The x360 Chromebook built for teaching and learning

The HP Chromebook x360 11 G3
Education Edition

Tent Mode



Presenting, watching videos, video chatting

Stand Mode



Clamshell Mode



*Content creation, editing,
note-taking*

Tablet Mode



*Reading, note-taking,
marking up*



EDUCATION EDITION

HP Chromebook x360 11 G3 EE

VERSATILE LEARNING



Adapts to every student
and learning style

- ✓ 360° degrees of learning
- ✓ Camera creation & collaboration
- ✓ Touch, tap, draw & write



Adapt to every learning activity

Foster unique, personalized learning styles with a device that flips into four modes.

Explore with dual cameras

Unleash creativity with the user-facing camera³ world-facing 5MP 2nd camera³ to record video, broadcast live, collaborate remotely take photos,

Touch, tap, draw, and write¹²

Annotate¹², solve math problems¹², take notes¹², and learn languages onscreen with integrated touch and active HP Wacom EMR Pen¹².



Adapts to every student and learning style

HP Chromebook x360 11 G3 EE

Textured surface material
Easy to grip and resists scratches



Protection from damage

Corning® Gorilla® Glass 3 with scratch resistant touchscreen

NEW

World's first Chromebook with a full skirted anchored key⁸ helps resist picking

NEW

Sticky keyboards are a thing of the past

With wipe-able keyboards⁸

NEW

5 megapixels world-facing camera

enables capture in tablet or tent mode for project-based learning experiences

Authentic Pen Experience

Annotate, solve math problems, take notes, and create onscreen with integrated touch (optional)



Dusk Blue

NEW



Color options*
(In select regions)

NEW

Chalkboard Gray



NEW

Power for learning

Latest Intel® Celeron® processors⁵

Transfer information fast & convenient

between memory card and Chromebook
MicroSD™ memory card reader

NEW

Helps absorb shock from accidental drops and bumps

With larger rubber bumper on edges and corners

Passes MIL-STD 810G testing¹ and HP's own Total Test Process
PLUS extra education testing

Withstand heavy usage environment

Reinforced ports and corners

NEW



Accessories designed blended learning environments to enable creativity and critical thinking.

Ecosystem

HP Chromebook 11 and 11A G8 EE HP Chromebook x360 11 G3 EE



Expand capabilities & increase productivity
with docking solutions including
HP USB-CTM/ATM Universal Dock G2³



Faster navigation
With HP USB Travel Mouse³,
good for smaller hands &
portability



Enhance collaboration and maximize productivity
with HP adapters³



Protect your investment with
security options from HP Nano
Keyed Cable Lock³ to HP Always
on Cases³



Securely store and charge notebook while inside the
classroom in HP Charging Carts³



Redesigned large-screen Chromebook for educators and students

HP Chromebook 14 G6

Built for reliability

Device built for everyday wear and tear

Withstand 70 cm drop test on concrete, HP's Total Test Process, and 13 items of MIL-STD 810G¹ testing

Withstand accidental corner drops

Reinforced USB-C™ ports & corners⁸

Reduce down time

With all day, fast charge battery ⁷ **NEW**

Improve the keyboard experience

with spill-resistant optional backlit keyboard⁸

Peace of Mind Privacy Camera³ **NEW**
Optional, integrated HP Privacy Camera³ that blocks the lens of your camera.



NEW

Ready to learn and teach at a moment's notice
Latest Intel® Celeron® processor⁵

Easy collaboration

Record videos, broadcast live & collaborate remotely with 720p Wide-angle HD webcam and dual stereo speakers.

Collaborate with 14" diagonal narrow border screen
optional touch

Future-Ready Ports

Charge PC and connect to accessories and bigger screens without a dongle.

NEW

Faster data transfer
with 2x2 WLAN and Extended Wide Range Antenna¹⁴ design

HP EDUCATION EDUCATION PORTFOLIO

DEC
2019



HP ProBook
X360 11 G5 EE

Mar
2020



HP ProBook
X360 11 G6 EE

May
2020



HP ProBook
x360 435 G7

JAN 2020



HP Chromebook
11 G8 EE

FEB
2020



HP Chromebook
11A G8 EE

JAN 2020



HP Chromebook
11 x360 G3 EE

JAN 2020



HP Chromebook
14 G6

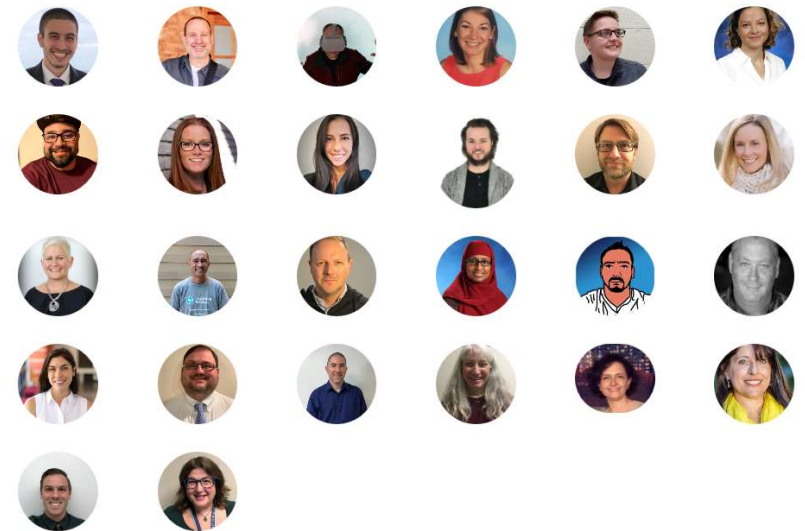
Currently
shipping



HP Chromebox
G2

HP Teaching Fellows

<https://global.digitalpromise.org/hp-teaching-fellows/>



HP Teaching Fellows are heroic teachers selected for their innovative approaches to teaching and learning. Each year, a national search identifies 25 expert practitioners to serve as education technology ambassadors for HP, Microsoft and Intel.

Each fellow is trained in HP education solutions and Education Edition PCs during the summer to prepare for the upcoming school year

In 2020, the HP Teaching Fellows will be active on social media sharing best practices, lesson ideas, and creative use cases for HP solutions for education



HP @ BETT 2020



HP Digital Skills Community Bus 2020 United Kingdom Tour

Visiting educational establishments and communities through out 2020 offering students and teachers training on the latest education tech solutions including:

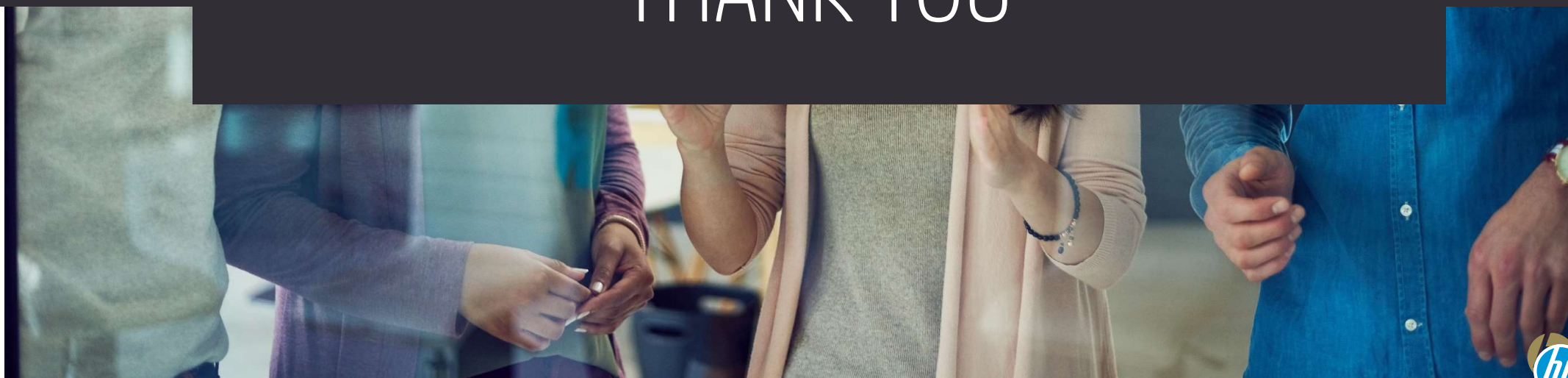
- STEM Skills Workshops
- Adobe Creative Cloud Workshops
- Virtual Reality Experiences
- Learn with Robotics
- Enhance learning with Office 365



Q & A



THANK YOU



Footnotes / Disclaimers

1. MIL STD 810G testing is pending and not intended to demonstrate fitness for U.S. Department of Defense contract requirements or for military use. Test results are not a guarantee of future performance under these test conditions. Any accidental damage requires an optional HP Accidental Damage Protection Care Pack
2. Testing conducted by HP using Google Chrome OS power Load Test. Battery life will vary and the maximum capacity of the battery will naturally decrease with time and usage. See <http://www.chromium.org/chromium-os/testing/power-testing> for test details
3. Sold separately or as an optional feature.
4. HP Classroom Manager is sold separately. Control and device locking from the teacher's desktop requires purchase of HP Classroom Manager.
5. Multi-Core processor is designed to improve performance of certain software products. Not all customers or software applications will necessarily benefit from use of this technology. Performance and clock frequency will vary depending on application workload and your hardware and software configurations. Intel's numbering, branding and/or naming is not a measurement of higher performance.
6. Wireless access point and internet service required. Availability of public wireless access points limited.
7. Recharges your battery up to 90% within 90 minutes when the system is off (using "shut down" command). Recommended for use with the HP adapter provided with the notebook, not recommended with a smaller capacity battery charger. After charging has reached 90% capacity, charging speed will return to normal speed. Charging time may vary +/-10% due to System tolerance.
8. Test results are not a guarantee of future performance under these test conditions. Accidental damage requires an optional HP Accidental Damage Protection Care Pack.
9. For storage drives, GB = 1 billion bytes. Actual formatted capacity is less. Up to 8.1 GB is reserved for system recovery software.
10. HP services are optional and are governed by the applicable HP terms and conditions of service provided or indicated to Customer at the time of purchase. Customer may have additional statutory rights according to applicable local laws, and such rights are not in any way affected by the HP terms and conditions of service or the HP Limited Warranty provided with your HP Product.
11. HP Care Packs are optional. Service levels and response times for HP Care Packs may vary depending on your geographic location. Service starts on date of hardware purchase. Restrictions and limitations apply. For details, visit www.hp.com/go/cpc. HP services are governed by the applicable HP terms and conditions of service provided or indicated to Customer at the time of purchase. Customer may have additional statutory rights according to applicable local laws, and such rights are not in any way affected by the HP terms and conditions of service or the HP Limited Warranty provided with your HP Product.
12. Sold separately or as a configurable option. Use of the active HP Wacom EMR pen on this platform requires optional digitizer and screen that must be configured on the platform at time of purchase.
13. Internet access required and sold separately. Some apps may require purchase.
14. Based on internal testing vs. previous generation product with 802.11ac wireless LAN module.
15. Multiple-Input Multiple-Output (MIMO) is a wireless technology that uses multiple transmitters and receivers to enhance data transfer. MIMO requires a MU-MIMO router, sold separately.
16. EMEA Use Restrictions: DO NOT USE the superlative claim in the following countries: Romania, Slovakia, Turkey, UAE, Russia, CIS countries (Armenia, Belarus, Kazakhstan, Kyrgyzstan, Moldova, Russia, Tajikistan, Turkmenistan, Ukraine, and Uzbekistan), Indonesia, Vietnam, Malaysia; APJ Use Restrictions: China, Vietnam, Indonesia, Malaysia – DO NOT use; LAR Use Restrictions: Brazil, Mexico – Do NOT use.
17. For customers located in the United States and Canada, visit this link to find out more about our self-maintainer program: https://h20345.www2.hp.com/csnmcmsdocs/marcomm/cpn_cms/SMext1.htm. For customers in Latin America, EMEA and Asia Pacific, please work directly with your sales account representative to understand what self-repair program options may be available for you.
18. Source IDC, time period trailing 4 quarters 3Q19 to 3Q18, Education Chrome OS, notebooks including workstations, excluding detachables
19. See user guide for cleaning instructions. Commonly used household cleaning solution wipes tested to 1,000 wipes include: n-Alkyl (C14, 60%; C16, 30%; C12, 5%; C18, 5%); Dimethyl Benzyl Ammonium Chloride 0.184%; n-Alkyl (C12, 68%; 14, 32%) Dimethyl Ethylbenzyl Ammonium Chloride 0.184%, other ingredients 99.632%. And solution: water, Ammonium Hydroxide, Propylene Glycol, Alkyl Polyglycoside, 2-Hexoxyethanol, fragrance.



Footnotes / Disclaimers

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keep reinventing