PT

Start common classroom tasks faster and avoid distractions with Microsoft Windows 10

Laptops running Windows 10 completed common tasks in less time than a Chromebook

Class time is limited. Getting fast laptops in the hands of students makes a difference in their productivity and helps teachers make the most out of each class period.

At Principled Technologies, we tested two laptops running Microsoft® Windows® 10 and a Chromebook™ to see how they handled tasks that students might regularly perform. We restricted the internet connection to simulate what students might experience in a busy classroom during the school day.

The two laptops running Windows 10 required less time than the Chromebook to launch applications and websites and to open files. Having enough time for an effective lesson is a challenge in the classroom, but a fast laptop can help teachers make the most of their limited time and help keep students engaged. The data shows that laptops running Windows 10, compared to Chromebooks, can save time in classrooms and help create a more focused learning environment.

Up to
48%
LESS WAITING
to open a document

Up to
62%
LESS WAITING
to open a spreadsheet

Up to
50%
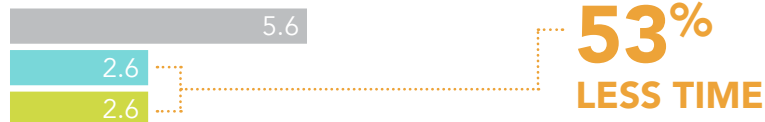**LESS WAITING**
to open a slideshow

Wait less when launching productivity web apps and opening existing documents[1]

Word processing

The laptops running Windows 10 launched Microsoft Word Online faster than the Chromebook launched Google Docs™.

Average time (seconds)

5.6	
2.6	**53%** LESS TIME
2.6	

When opening an existing 1.7MB document in their respective applications, the laptops running Windows 10 were faster than the Chromebook.

Average time (seconds)

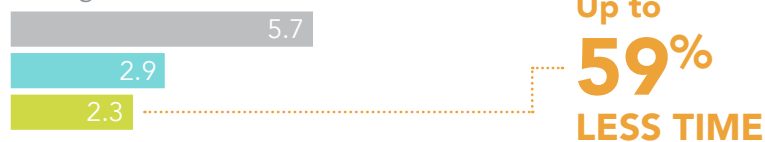|	
7.8	Up to
4.0	**48%**
4.1	LESS TIME

Spreadsheets

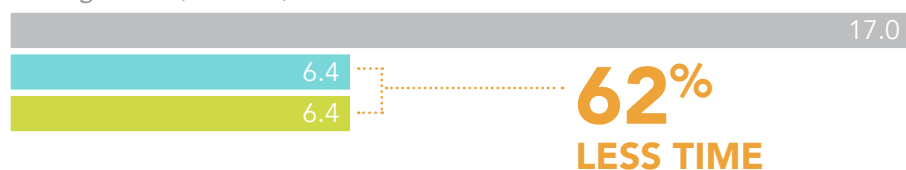The laptops running Windows 10 launched Microsoft Excel® Online faster than the Chromebook launched Google Sheets™.

Average time (seconds)

5.7	Up to
2.9	**59%**
2.3	LESS TIME

When opening an existing 2.6MB spreadsheet in their respective applications, the laptops running Windows 10 were faster than the Chromebook.

Average time (seconds)

17.0	
6.4	**62%**
6.4	LESS TIME

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1   For more information on the documents used in our testing, see the Appendix B for this report.

Presentations

The laptops running Windows 10 launched Microsoft PowerPoint® Online faster than the Chromebook launched Google Slides.

Average time (seconds)

6.1	
2.3	
2.4	

Up to
62%
LESS TIME

When opening an existing 11.3MB slideshow in their respective applications, the laptops running Windows 10 were faster than the Chromebook.

Average time (seconds)

9.1	
4.7	
4.5	

Up to
50%
LESS TIME

Wait less when loading and opening web-based educational content

Khan Academy

The laptops running Windows 10 loaded a video lesson on Khan Academy faster than the Chromebook.

Average time (seconds)

11.0	
3.0	
7.0	

Up to
72%
LESS TIME

GeoGebra

The laptops running Windows 10 opened a new 3D graphics project faster than the Chromebook.

Average time (seconds)

2.8	
2.2	
2.2	

21%
LESS TIME

PhET

The laptops running Windows 10 loaded the PhET™ Build an Atom simulation faster than the Chromebook.

Average time (seconds)
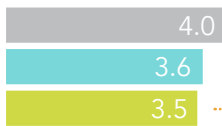
5.4	
3.9	
3.7	

Up to

31%

LESS TIME

Wait less when logging into commonly used websites

The laptops running Windows 10 logged into Glogster, Edmodo, and Gmail™ faster than the Chromebook.

Glogster

Average time (seconds)

4.0	
3.6	
3.5	

Up to

12%

LESS TIME

Edmodo

Average time (seconds)

7.2	
6.9	
6.3	

Up to

12%

LESS TIME

Gmail

Average time (seconds)

18.4	
13.1	
12.9	

Up to

29%

LESS TIME

Conclusion: Laptops running Windows 10 saved time compared to a Chromebook

Every second counts in the classroom. Any chance to save even a few seconds can translate to more focused and happier students. Principled Technologies found that two laptops running Windows 10 completed a number of web-based tasks faster than a Chromebook, including launching productivity applications, loading educational content, and logging into common classroom websites. Students deserve the best opportunity to succeed, and giving your students one of these laptops running Windows 10 can help create a more focused experience in the classroom.

Find the details of our testing at http://facts.pt/4fxY2v. ▶

Principled Technologies®

Facts matter.®