

G-Suite for Education
Google Workspace for Education



Deep Dive with

 **NORRCOM**

Presented By Greg Adler

Introduction

We started in 2003 and have grown to be one of the major national providers of technology in NZ Schools, with 50+ Engineers and a determination to do right by our customers we have developed into the go to provider of Technology in the NZ Education marketplace. We are 100% owned and operated by New Zealanders, our profits stay in NZ.



Google for Education
Partner



Topics

- What's New & Changes
- Google Forms for Education
- Google Drive App
- Google integration with other products
- Teaching tools of interest
- Device management
- Google Security
- The future!



What's New & Changes

Google Workspace For Education

- The new name was launched Feb 2021 and was formally called G Suite for Education.
- 4 new plans have been launched, most NZ schools use the free "Fundamentals" Plan.
- The new "Plus" plan has expanded Meet functions like breakout rooms, classroom and drive data exports to track student engagement, security dashboards and better cyber security features.
- We can set you up with a free trial for the "Plus" plan.

Google Storage and Recycling bin



There is now a 100TB data limit across all users. Mid to Long term you may need to manage data usage



Google Trash (Recycling Bin), will automatically empty after 30 days. This includes Google Shared drives and Gmail



Please consider a cloud backup solution for your Google Data. Our Google Backup solution offers you infinite data retention and has no data limits on storage. Our basic plan starts from \$5 a month for a small school.

Timelapse in Google Earth



This is the biggest update to Google Earth since 2017



You can now look at timelapse satellite images of the whole planet, with Images going as far back as 1984.



Google have created five themes that you can view, forest change, urban growth, warming temperatures, sources of energy, and our world's fragile beauty.

1984

2020






Google Forms for Education

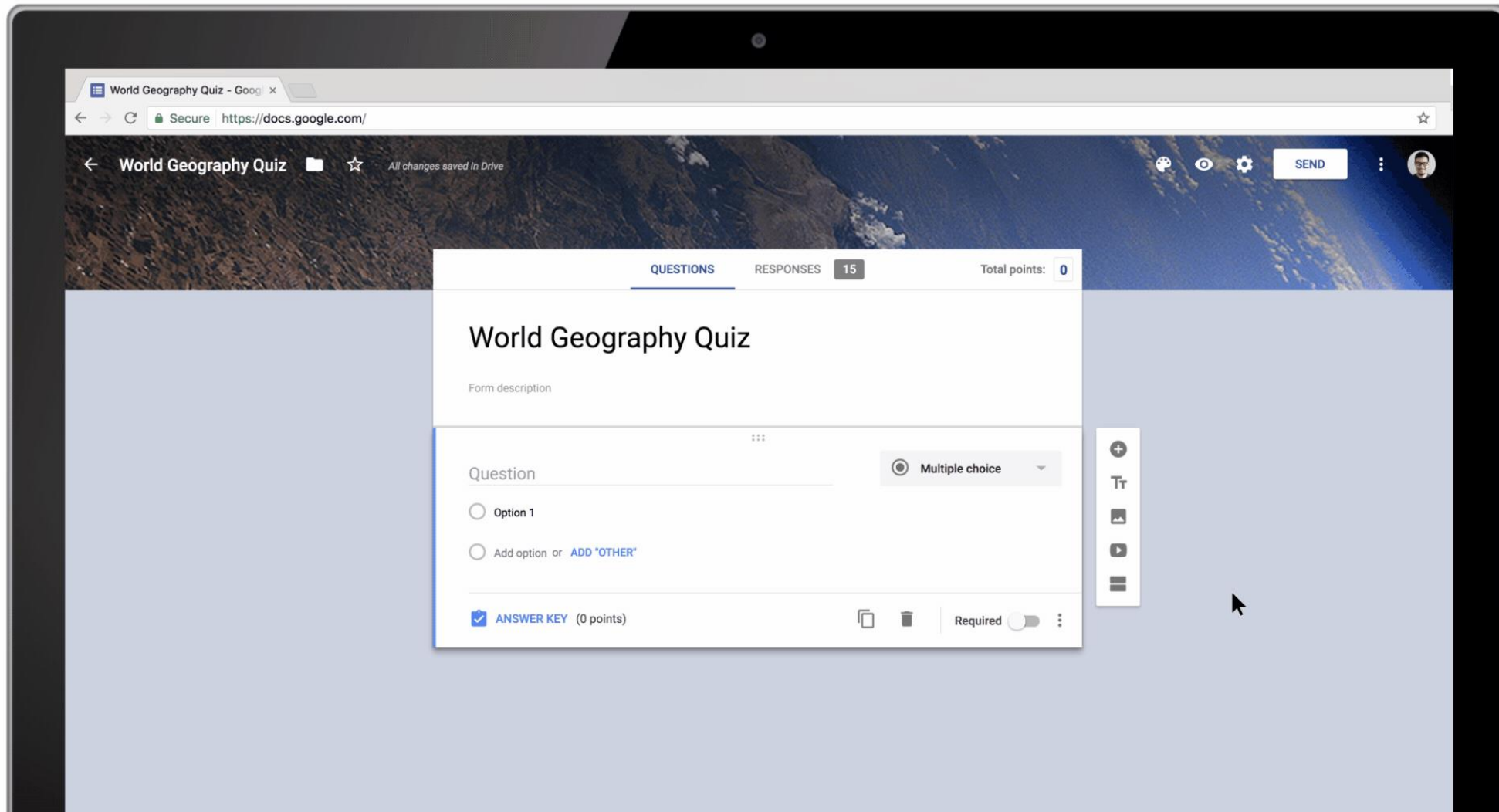


Google Forms for Education

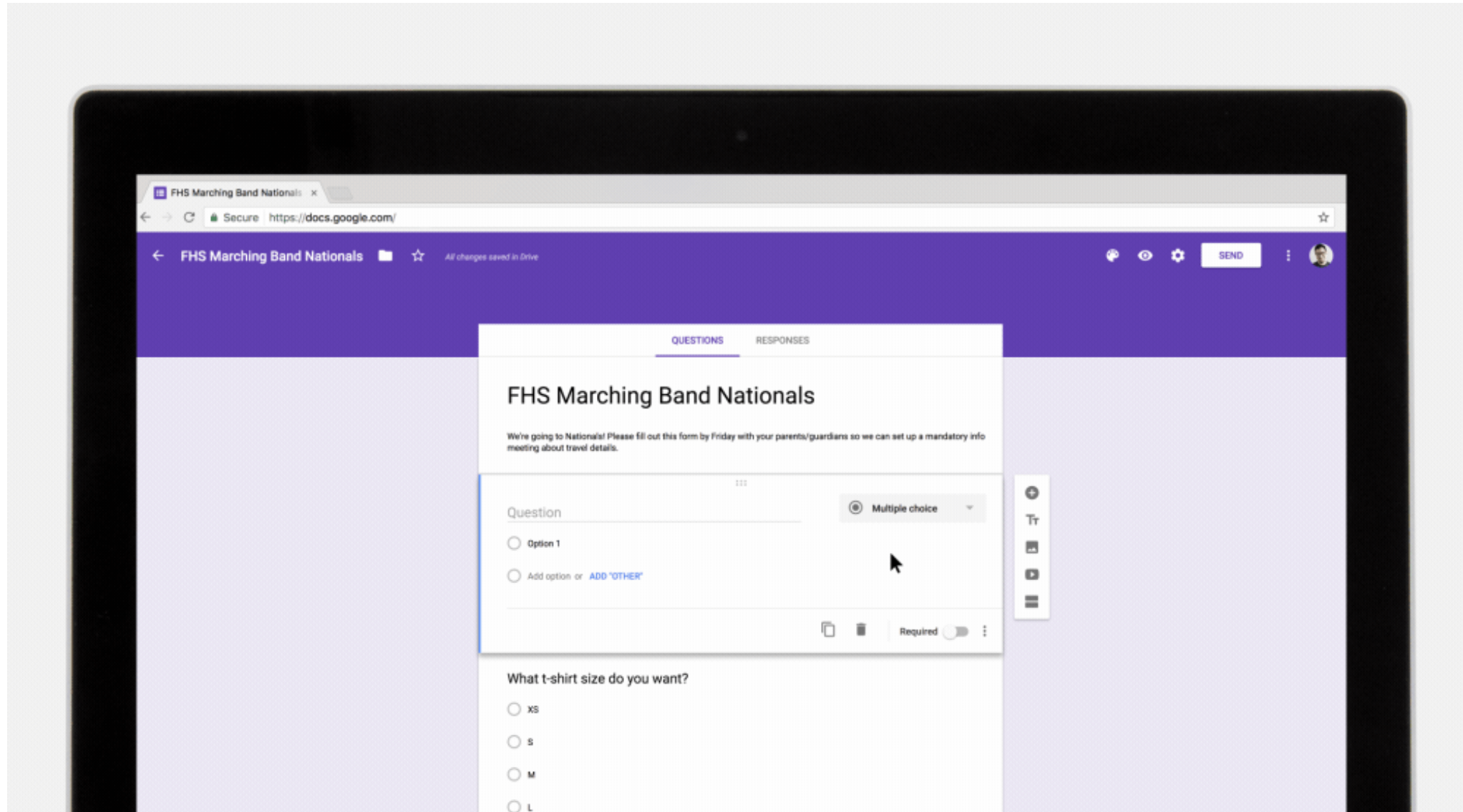
Below are some examples where Google forms can be used that you might not thought of:

- Self grading assessments.
 - Internet usage agreements, including BYOD and Wi-Fi access.
 - Parent, Staff and Student survey's.
 - Permission slips.
 - Lunch orders.
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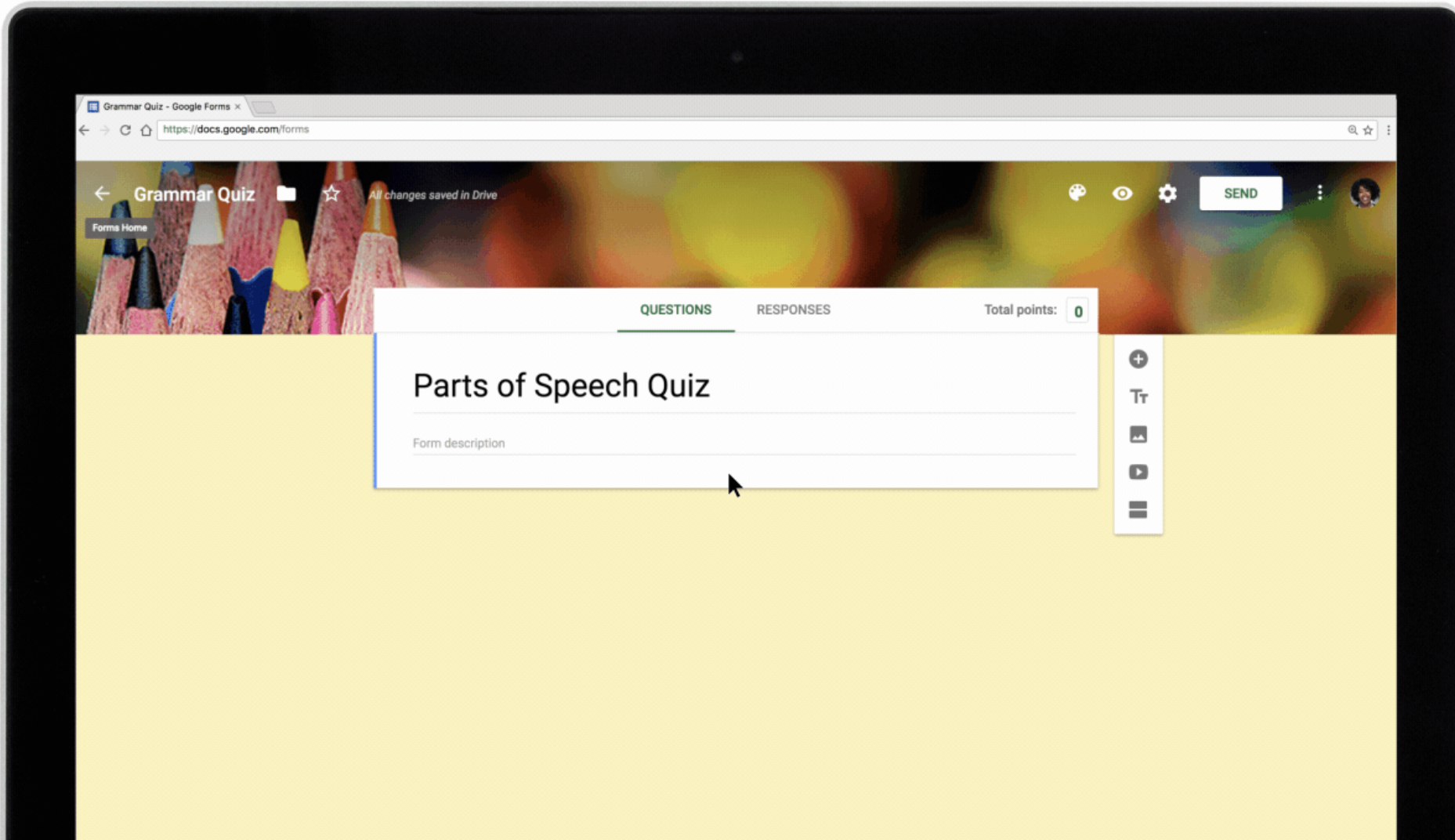
Quiz answer suggestions: Using Google's machine learning Forms can now predict the correct answer as a teacher types the question, as well as provide options for wrong answers.



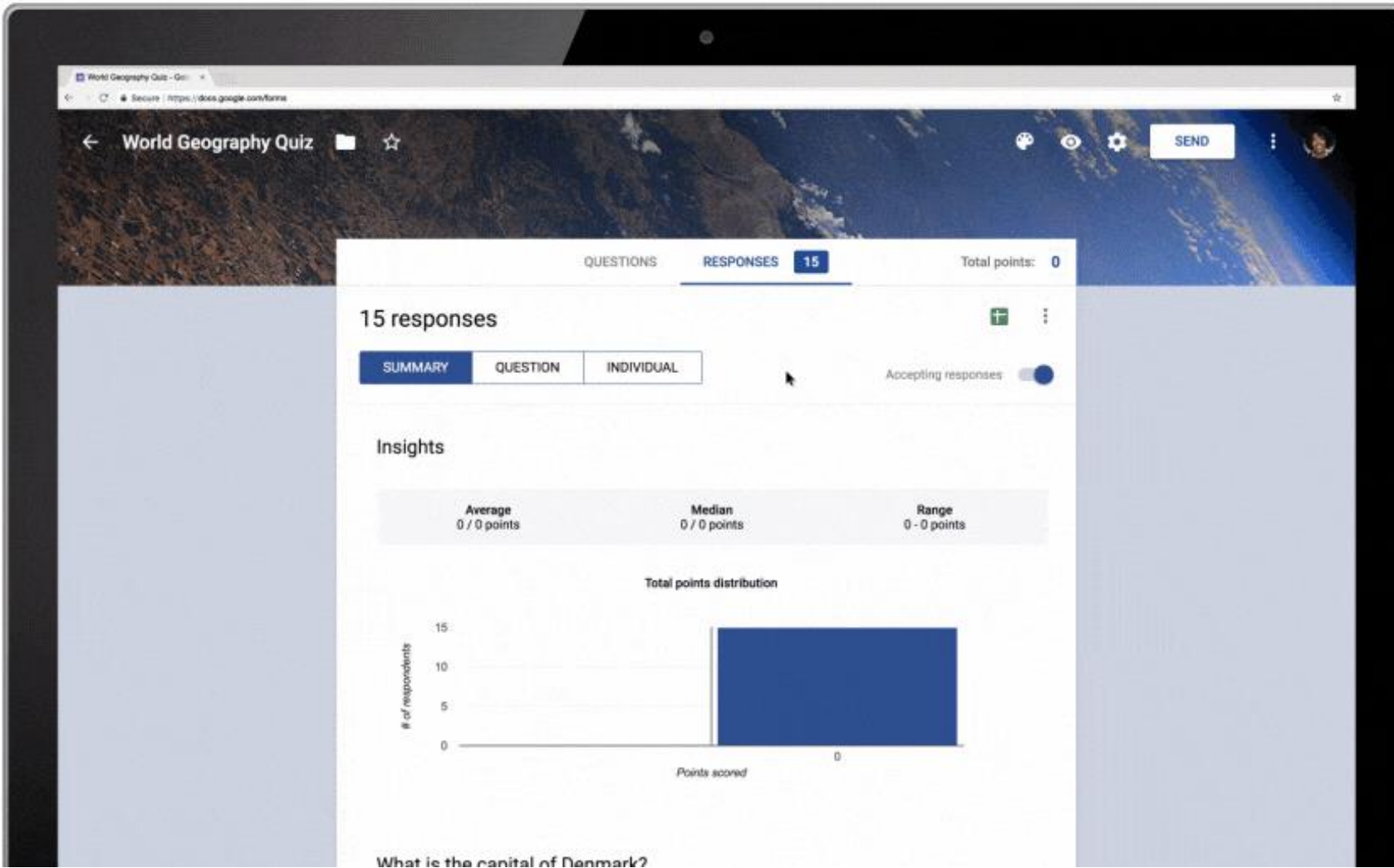
Autocomplete answers: Machine learning is also helping educators save time with more predictive analysis. After you type one answer, Forms will now propose related answers. For example, if a question requires the days of the week as answer options, Google Forms will autocomplete the remaining answers.



Automatically grade checkbox and multiple choice grid questions: Marking quizzes can be time consuming, Google have now helped to automate the process. Now, in checkbox grid and multiple choice grid-style questions, you can denote correct answers in the answer key, and completed quizzes are automatically assigned points based on answers.



Improve understanding with YouTube video feedback: You can now give highly customised feedback to students by attaching a video from YouTube. If a student doesn't understand a concept or could use extra practice, link them to any YouTube video so they can review material on their own.





Google Drive for desktop

Google Drive for desktop

- Access Google Drive and Google Shared drives locally from your Windows 10 (PC) or Apple Device (iMac or MacBook).
- Store and access other file formats like Microsoft Office files, without the need to convert files to a Google format.
- It uses very minimal disk space and doesn't "Download" files to your local computer.
- Use the app to move data from your local device or server, to Google.



Google integration
with other products

Google integration with Microsoft 365

Question: My Google account is my primary cloud identity, but I want to access Microsoft products like Minecraft for Education. What is the best way to manage my Google and Microsoft accounts?

- You can now sync Google users from Google to Microsoft automatically via the Cloud, no server is required.
- You can use Microsoft services with a Google login.
- This is a good option for schools that primarily use Google.

Google Single Sign On (SSO)

- Google is a viable alternative to Microsoft Azure for SSO and could be a option for your school.
- Use your Google account to access other 3rd party services.
- Increase login efficiency for users, as this speeds up login times.



Google credential provider for Microsoft Windows

- Allow Staff and Students to login into a windows device with their Google account.
- After login Google Chrome and Google Drive for desktop will auto login.
- This is a great solution for multi user windows devices, for example a secondary school has an Adobe Creative Cloud Computer lab, students can save files directly to Google Drive without having to upload large files online.



Teaching tools of interest

Google Arts & Culture

It provides an efficient and Immersive museum exploration for learners, using any device including VR platforms.

In addition to the individual exhibits, Google Arts & Culture's Natural History collection has virtual tours of entire museums. Leveraging the technology of Street View, students can now take a tour of museums from New York to London to Australia.





When tech
meets
arts & culture



Google Originality (Plagiarism Checker)

- This helps teachers quickly assess authenticity of work, similar to Turnitin.
- Compare student work against hundreds of billions of web pages and over 40 million books with a single click.
- Enable students to check their own work for recommended citations up to three times before submitting.
- Help students learn to build on outside ideas and properly incorporate them into their work.
- Compare student-to-student matches against your domain-owned repository of past work when you sign up for the Teaching and Learning Upgrade or Google Workspace for Education Plus




Google Classroom
Originality Reports





Device management

Google Endpoint Management

- Google supports device management for iPadOS and Android.
 - To gain access to advanced features you need to upgrade to the “plus” plan.
 - Good option for schools if you only have Chromebooks and iPads and you want device management in your Google Admin Console.
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Chromebook Zero-touch enrolment

- This can speed up the deployment of Chromebooks.
- Good option when deploying a large number of Chromebooks.
- Currently there are limited models supported, this will improve over time.





Getting started with zero-touch enrollment for Chrome OS



The logo features a large blue circle with the text "Google Security" in white. To the left of the circle is a dashed teal line, and at the bottom right of the circle is a small purple circle.

Google Security

Google Security

Google protects you in many ways, the best way to protect your account and data is to enable Google 2-Step Verification.



An extra layer of security

Most people only have one layer - their password - to protect their account. With 2-Step Verification, if a bad guy hacks through your password layer, he'll still need your phone or Security Key to get into your account.

Why?



It's easier than you think for someone to steal your password



Any of these common actions could put you at risk of having your password stolen:

- Using the same password on more than one site
- Downloading software from the Internet
- Clicking on links in email messages

2-Step Verification can help keep bad guys out, even if they have your password.

Imagine losing access to your account and everything in it

When a bad guy steals your password, they could lock you out of your account, and then do some of the following:

- Go through – or even delete – all of your emails, contacts, photos, etc.
- Pretend to be you and send unwanted or harmful emails to your contacts
- Use your account to reset the passwords for your other accounts (banking, shopping, etc.)



How?



Signing in to your account will work a little differently

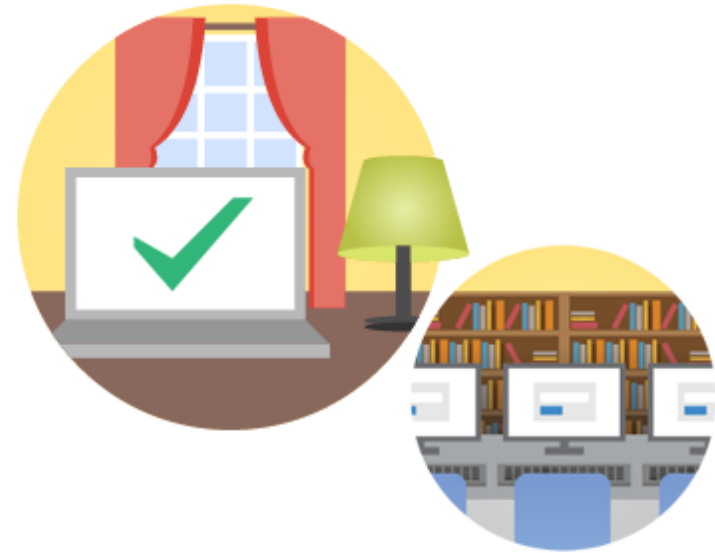


- 1 You'll enter your password**
Whenever you sign in to Google, you'll enter your password as usual.
- 2 You'll be asked for something else**
Then, a code will be sent to your phone via text, voice call, or our mobile app. Or, if you have a Security Key, you can insert it into your computer's USB port.

Keep sign-in simple

During sign-in, you can choose not to use 2-Step Verification again on *that particular computer*. From then on, that computer will only ask for your password when you sign in.

You'll still be covered, because when you or anyone else tries to sign in to your account from *another computer*, 2-Step Verification will be required.





The future!

Google's Future in NZ Education

- Every three years the MOE negotiates new software agreements, with companies like Microsoft and Google. The current cycle ends mid 2021
- It is predicted Google Chrome Management licences stay fully funded for schools.
- We hope the MOE look at these great new Google Education plans and provides funding for schools to upgrade. Watch this space.
- Google is investing a great deal of time and money into the education sector, we believe it will always be a key player.

Thank you

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