

**Will schools
ever be
the same?**

**Education
has changed
forever.**

Education
is changing.

1

Personalised

2

Measurable

3

Equitable

1

Personalised

2

Measurable

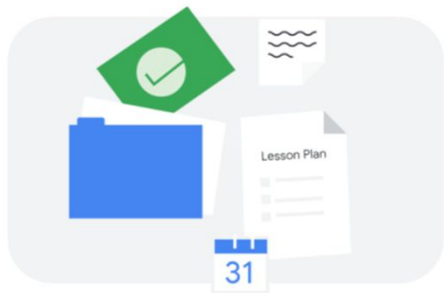
3

Equitable

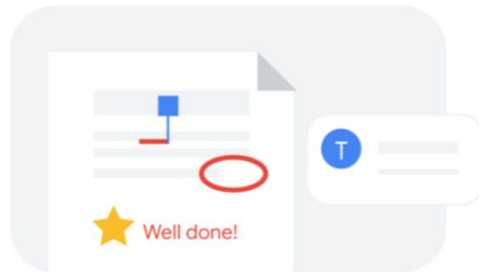
How technology can help now



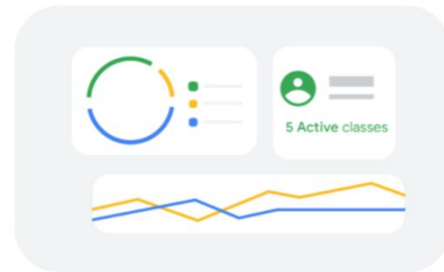
How technology could help in future



**Recommended content
for teaching**



**Real-time feedback with
hints and remediative
content**



**Class-wide summaries to
get a deeper
understanding**

1 Personalised

2 Measurable

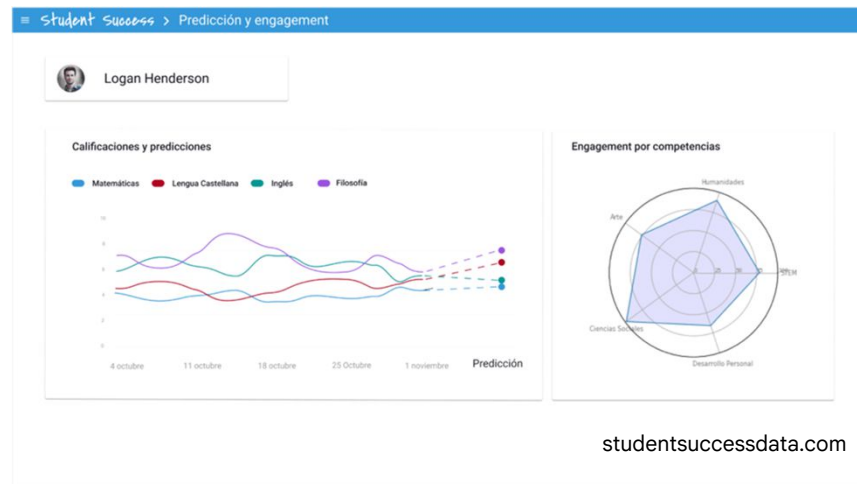
3 Equitable

Imagine if you could
measure learning with
medical detail

| | | | | | | |
|---|---|--|-----------------------|-------------------|----------|--------------------|
| 1 | University Medical Center, Dept. of Pathology | | Report Date/Time: | | | |
| | 123 University Way, City, ST 12345 | | 02/10/2014 16:40 2 | | | |
| 3 | Name: | Doe, John Q. | Age/Sex: | 73/M | | |
| 4 | Patient ID: | 987654321 | DOB: | 01/01/1941 | | |
| 5 | Ordering Dr: | Smith, Peter MD | Status: | 6 Routine | | |
| | Physician Copy for: | | Smith, Jane MD | | | |
| 7 | SPEC #: | 223456 | Collection Date/Time: | 02/10/14 14:30 10 | | |
| | | | Received Date/Time: | 02/10/14 15:00 11 | | |
| 8 | SPECIMEN: | Whole blood | | | | |
| 9 | ORDERED: | Complete Blood Count and White Blood Cell Differential | | | | |
| | QUERIES: | [Comments and testing instructions] | | | | |
| 12 | Test | 13 Normal | 14 Abnormal | 15 Flag | 16 Units | 17 Reference Range |
| COMPLETE BLOOD COUNT | | | | | | |
| | White Blood Cell (WBC) | 6.9 | | | K/mcL | 4.8-10.8 |
| | Red Blood Cell (RBC) | | 1.8 | L | M/mcL | 4.7-6.1 |
| | Hemoglobin (HB/Hgb) | | 6.5 | L** | g/dL | 14.0-18.0 |
| | Hematocrit (HCT) | | 19.5 | L** | % | 42-52 |
| | Mean Cell Volume (MCV) | | 109.6 | H | fL | 80-100 |
| | Mean Cell Hemoglobin (MCH) | | 36.5 | H | pg | 27.0-32.0 |
| | Mean Cell Hb Conc (MCHC) | 33.3 | | | g/dL | 32.0-36.0 |
| | Red Cell Dist Width (RDW) | | 16.0 | H | % | 11.5-14.5 |
| | Platelet count | 180 | | | K/mcL | 150-450 |
| | Mean Platelet Volume | 7.9 | | | fL | 7.5-11.0 |
| WBC Differential | | | | | | |
| | Neutrophil (Neut) | 50 | | | % | 33-73 |
| | Lymphocyte (Lymph) | 36 | | | % | 13-52 |
| | Monocyte (Mono) | 8 | | | % | 0-10 |
| | Eosinophil (Eos) | 5 | | | % | 0-5 |
| | Basophil (Baso) | 1 | | | % | 0-2 |
| | Neutrophil, Absolute | 3.5 | | | K/mcL | 1.8-7.8 |
| | Lymphocyte, Absolute | 2.5 | | | K/mcL | 1.0-4.8 |
| | Monocyte, Absolute | 0.6 | | | K/mcL | 0-0.8 |
| | Eosinophil, Absolute | 0.4 | | | K/mcL | 0-0.45 |
| | Basophil, Absolute | 0.1 | | | K/mcL | 0-0.2 |
| Flag Key: L= Abnormal Low, H= Abnormal High, **= critical value | | | | | | |
| Comment: **Hgb of 6.5 and Hct of 19.5 reported to Dr. J Smith at 15:20 on 2/10/14 by M. Peters 18 | | | | | | |
| ** END OF REPORT ** | | | | | | |

How technology can help now

The screenshot shows a Google Classroom interface for a Biology class, Period 1. The top navigation bar includes 'Stream', 'Classwork', 'People', 'Grades', and 'Activity'. The main header area is orange and features the text 'Biology Period 1' and 'Class code: bjtdkn'. Below this, there's a 'Meet' button with a 'Generate link' option. A section titled 'Upcoming' shows 'No work due soon' and a 'View all' link. The main content area displays an announcement from Katherine Kim, dated May 25, stating: 'Hi class! Please make sure you've completed the Unit 6 Chapter 4 quiz on photosynthesis before we start Chapter 5! Please let me know if you have any questions. Thanks!'. Below the announcement is a link to 'Unit 6 Chapter 4—Photosy... Google Forms'.



How technology could help in future

Unit 1: Fractions






















Sasha **needs more help** with multiplying mixed fractions.



Robert is **struggling** with multiplying mixed fractions.



Anika **understands** multiplying mixed fractions.

| Standard | Class average |  |  |  |
|-----------------------------|---|---|---|---|
| Operations |  |  |  |  |
| Algebraic Thinking |  |  |  |  |
| Multiplying mixed fractions |  |  |  |  |
| Measurement and data |  |  |  |  |



50% of the class struggled with **measurement and data**.

1 Personalised

2 Measurable

3 Equitable



Everyone deserves equal access to great learning experiences.

Informal education is on the rise





Google

Ask any question

Learning sits across
everything we do at Google.



1

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**Will schools
ever be
the same?**

Change is
made by
you