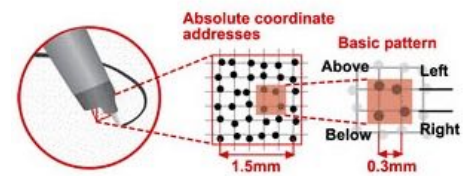


Silhouette for Distance Learning

What is Silhouette

Silhouette is a software platform for Digital Pen and Paper applications, as well as being compatible with keyboard devices such as smartphones, tablets or personal computers.

The paper used is printed with a fine layer of dots. The digital pen takes pictures of the dots when the nib is pressed and converts them to binary sequences. The pen has a Bluetooth module and communicates to a router application installed on a mobile phone or a computer connected to the internet. The binary sequences are decoded on the digital pen cloud server and the image of the handwriting is rendered in just a few seconds.



Digital pen and pattern

Example of how to use a Digital Pen and Paper

Handwriting is a key component in education, and digital pen reduces the use of paper. A teacher writes an exercise for students. Students respond by writing on their notebook. The teacher annotates the handwritten documents filed in the portal database.

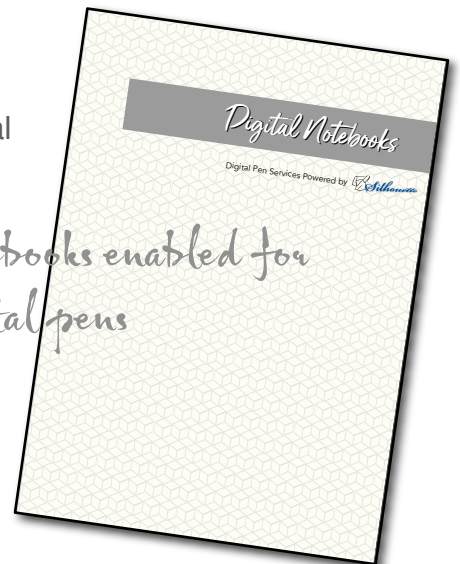
Digital Pen



Mobile Phone



Notebooks enabled for digital pens



Test or Exercise from teacher

DateRecel...	Location	FormDate	Title
30/04/2020 (2)			
<input type="checkbox"/>	30/04/2020 William Home	30/04/2020	Math 1
<input checked="" type="checkbox"/>	30/04/2020 Gillian Class	30/04/2020	Math 1

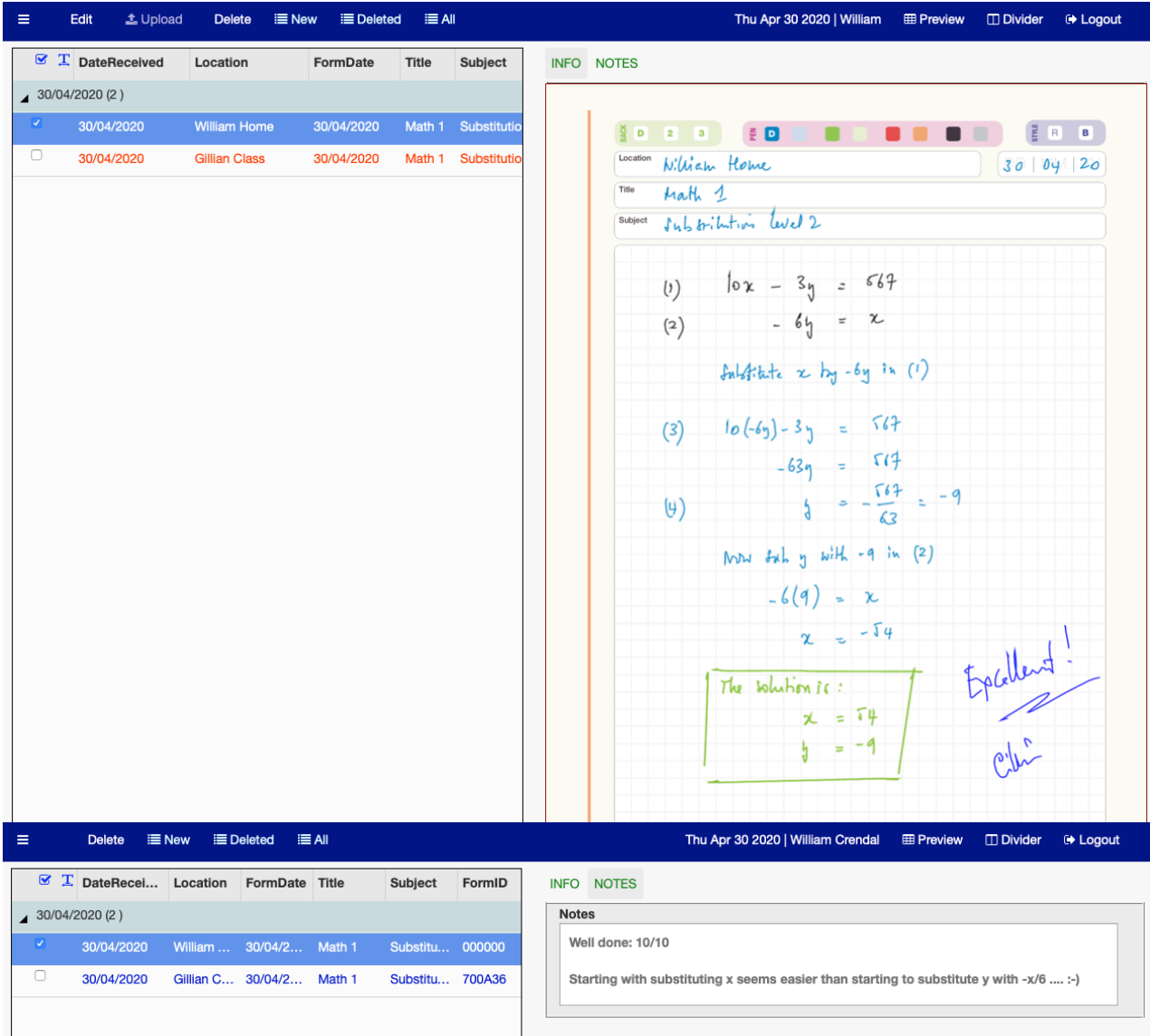
INFO NOTES

Location: Gillian class 30 | 04 | 20
Title: Math 1
Subject: Substitution level 2

Solve the system by substitution:
 $10x - 3y = 567$
 $- 6y = x$

Silhouette for Distance Learning

The Student response is annotated / commented by the teacher



The screenshot displays the Silhouette software interface. The top navigation bar includes options like 'Edit', 'Upload', 'Delete', 'New', 'Deleted', and 'All', along with the date 'Thu Apr 30 2020' and user 'William'. The main area is split into two panes. The left pane shows a table of records with columns: DateReceived, Location, FormDate, Title, and Subject. The right pane, titled 'INFO NOTES', shows a student's handwritten solution for a system of linear equations on a grid background. The student's work includes the equations $10x - 3y = 567$ and $-6y = x$, followed by substitution steps leading to $x = -54$ and $y = -9$. A green box highlights the final solution, and a blue handwritten note says 'Excellent!' with a signature 'Celia'.

The bottom pane shows a similar table with an additional 'FormID' column. The right pane now shows a 'Notes' section with two entries: 'Well done: 10/10' and 'Starting with substituting x seems easier than starting to substitute y with -x/6 :-)'

DateReceived	Location	FormDate	Title	Subject	FormID
30/04/2020 (2)					
30/04/2020	William Home	30/04/2020	Math 1	Substitution	000000
30/04/2020	Gillian Class	30/04/2020	Math 1	Substitution	700A36

Each Student has a specific login to the portal, and can only see their notes and the teacher's notes. Each record has a workflow status to differentiate between NEW and COMPLETED. Digital Pen strokes cannot be altered at any time.

For more information, contact Gillian or William at

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