



# Guide for Managing Data

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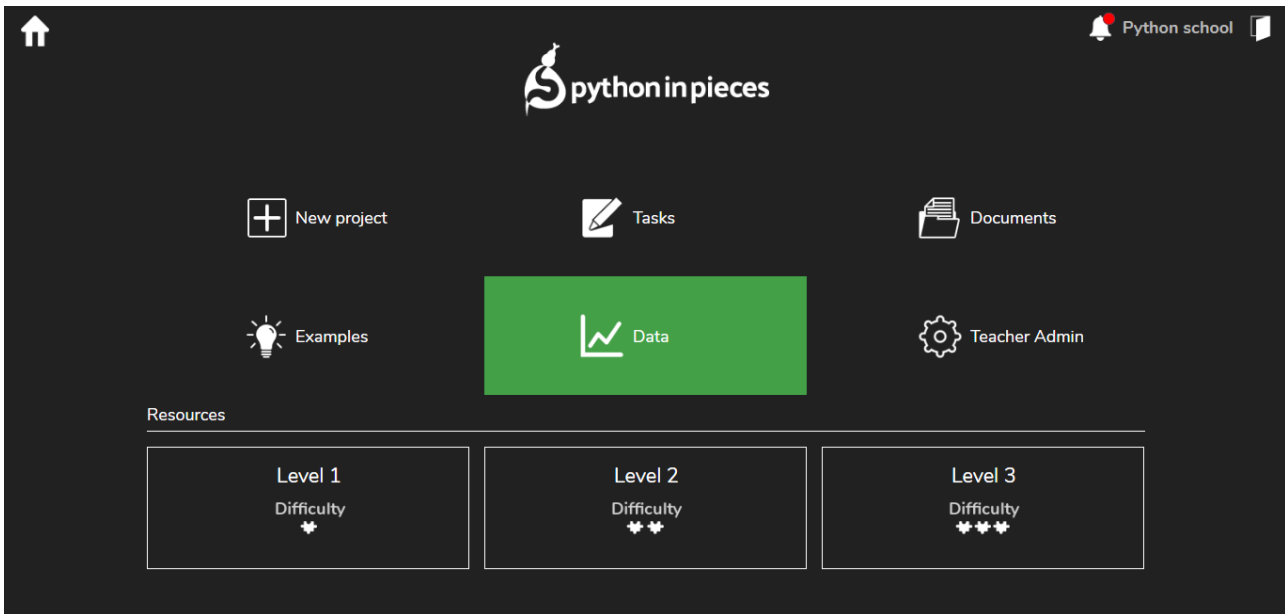
# 1. Introduction

The Python in Pieces Data area is designed to show you how your students are progressing within tasks and the readymade lesson resources. This manual will guide you through how to understand the simple to use data interface.

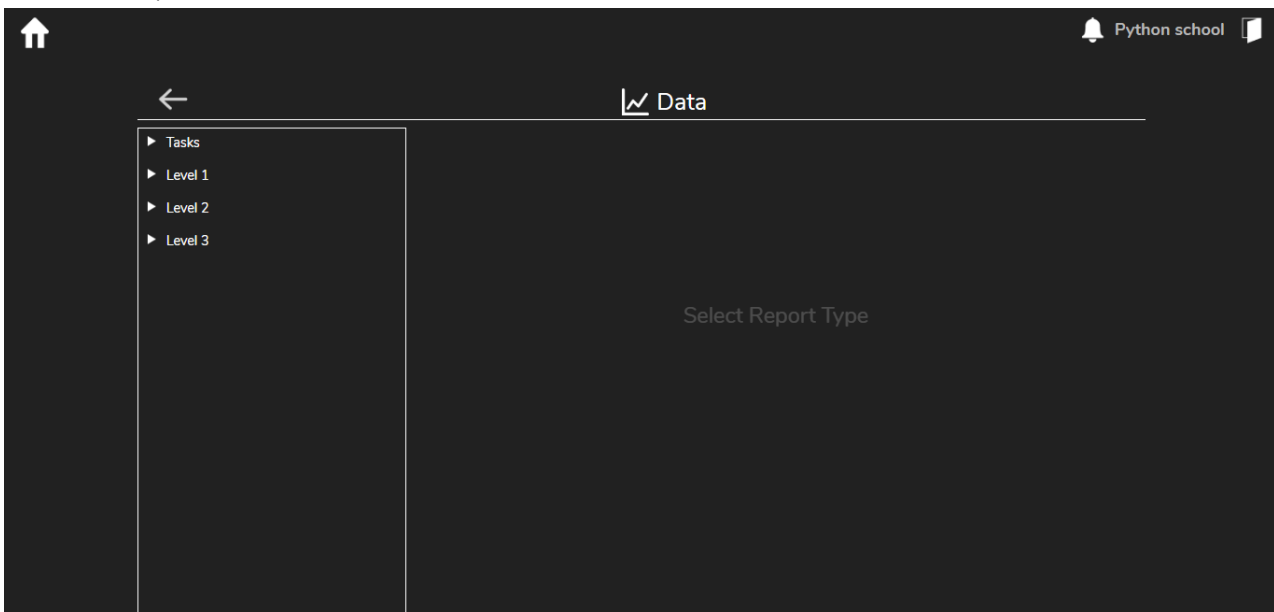
## 2. View Student Data

### 2.1 Navigation

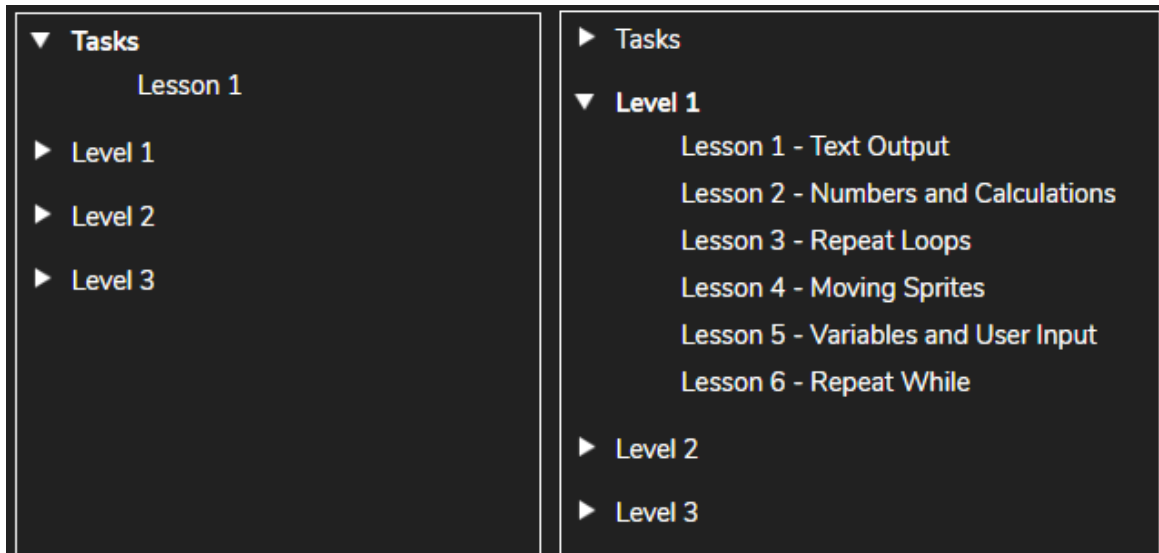
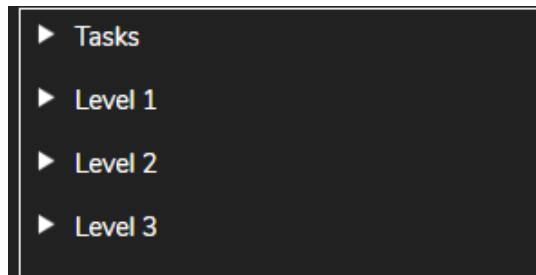
Click 'Data' to access the data dashboard view. This will show you how students are performing.



You will be presented with this screen:

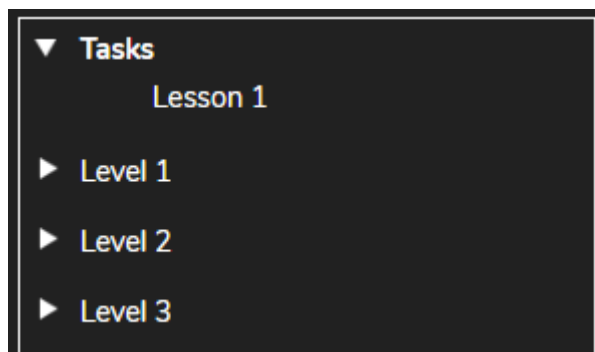


Use the navigation panel on the left hand side of the screen to navigate through the 'Tasks' that you have set for your class (both free code or readymade activities) and through the different activity 'Levels' containing data on the readymade lesson resources.

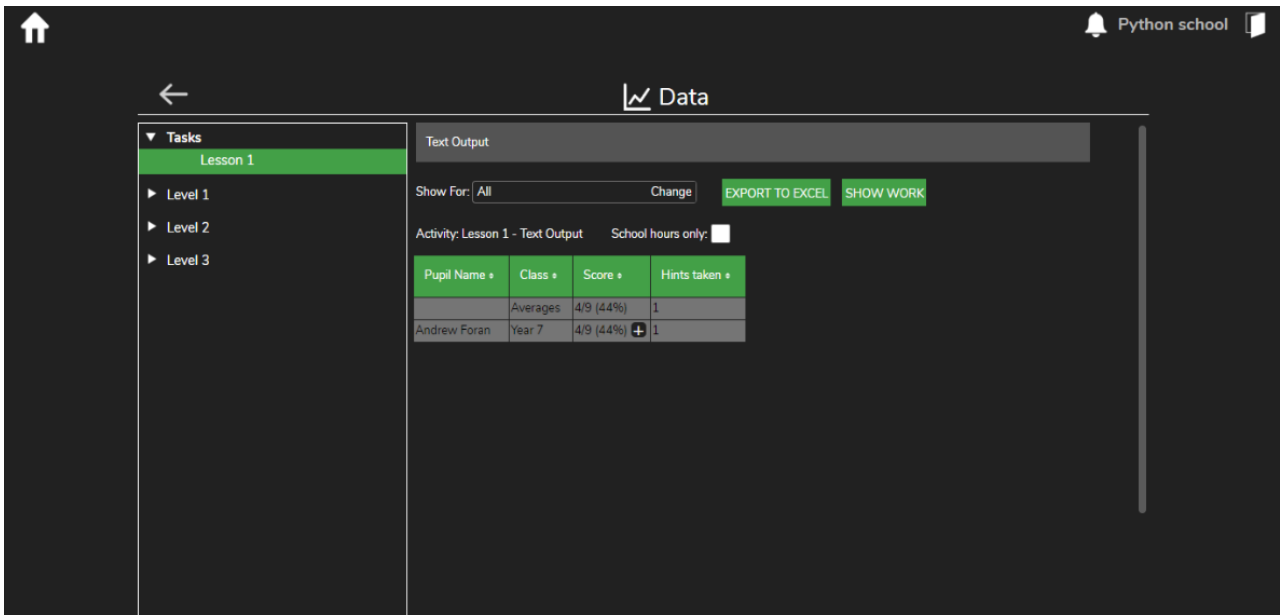


## 2.2 Task Data

Select the 'Tasks' drop down in the navigation panel. This will display any tasks that have been set by the teacher.



Select the 'Task' that you would like to view data for. This will load data for any students who have undertaken that 'Task'.



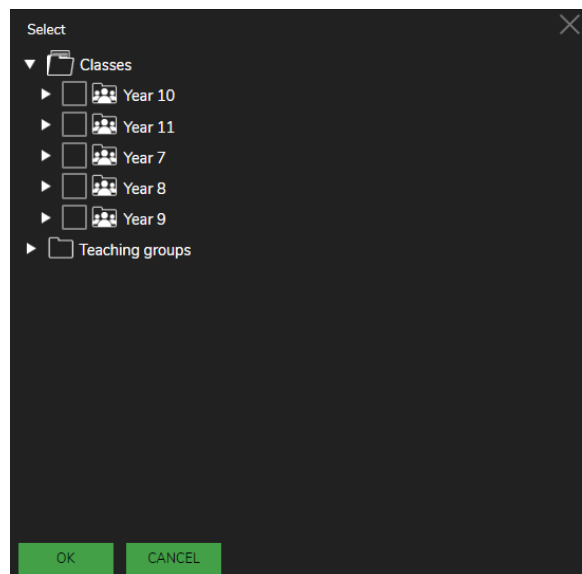
The title of the task is displayed at the top of the data panel in a grey box.



To change the class or teaching group that you want to view. Click on the 'Show For:' field.



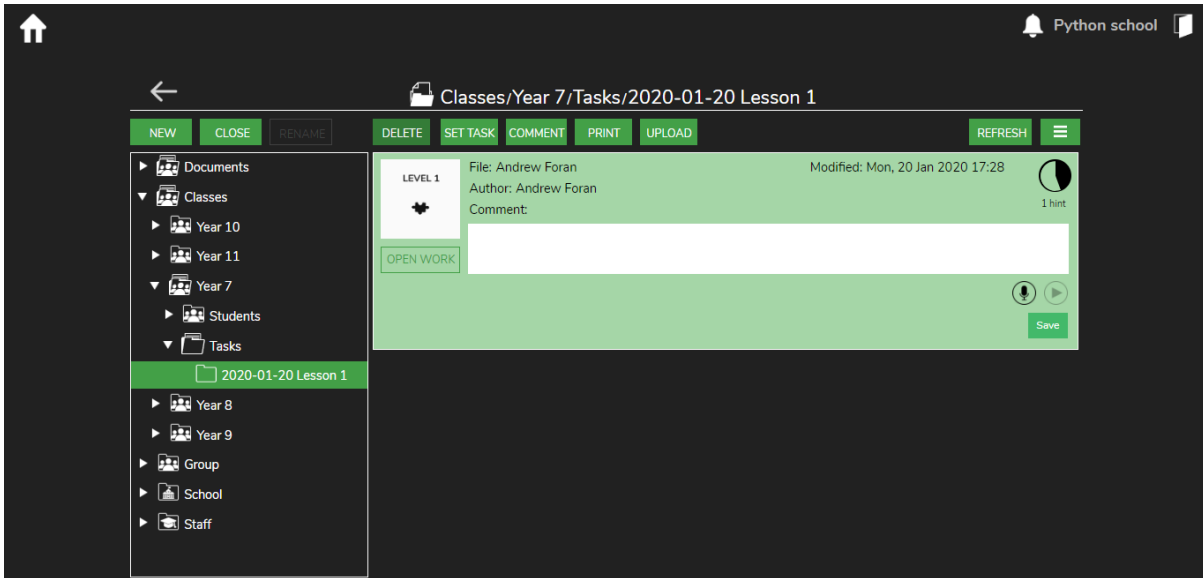
This will open a window which will allow you to select the classes or teaching groups that you want to view. Select the classes or groups that you want to view and click the 'OK' button.



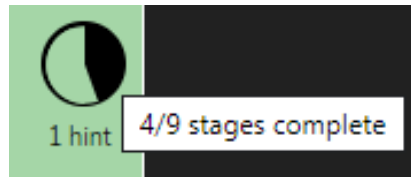
Data can be exported from the Data Dashboard by clicking the **EXPORT TO EXCEL** button. This will export the data currently being viewed in the Data Dashboard as an Excel spreadsheet.

**SHOW WORK**

The **SHOW WORK** button allows teachers to go from the data view into the folder where student work is saved.



Progression data is indicated on the file using the pie chart and hint count. For more detail on the number of stages completed within the lesson file hover over the pie chart and a tooltip will appear detailing this.

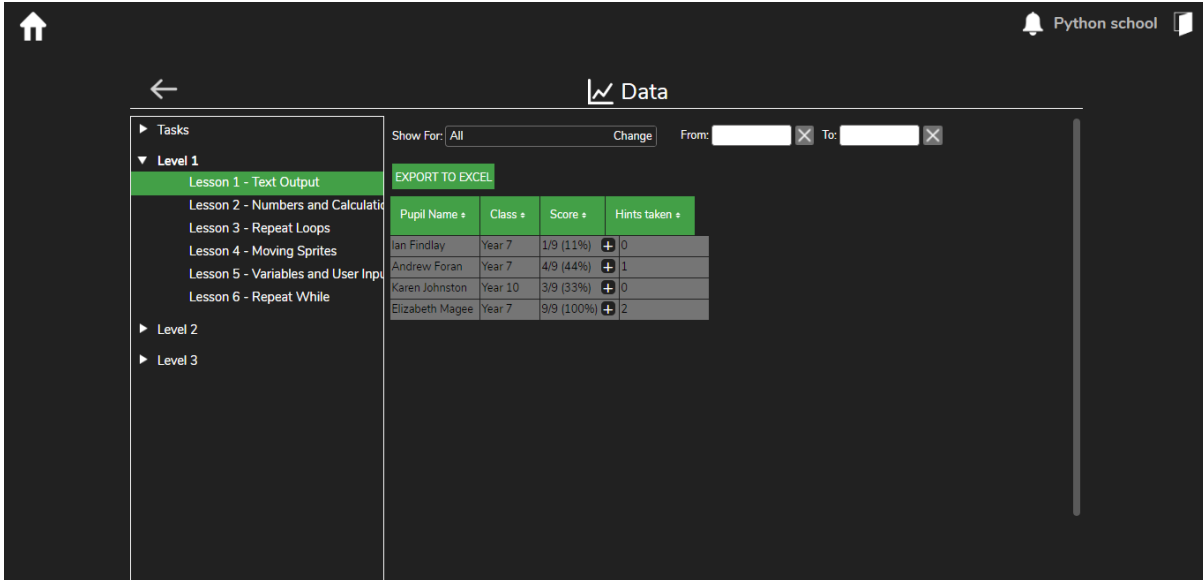


**School hours only:**

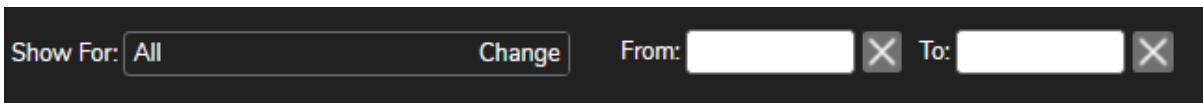
Checking the **School hours only:**  check box will allow teachers to only view the data for tasks completed within school hours. This will exclude any data for work completed outside of school hours. To setup the school hours, visit School Timetable in the Teacher Admin area.

## 2.3 Lesson Data

Clicking on one of the Lessons will load any data for any students who have undertaken that lesson.



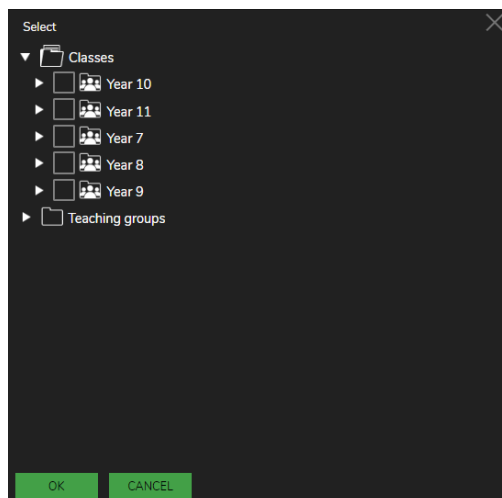
The data top bar allows you to change the parameters for the data that you are looking at.



To change the class or teaching group that you want to view. Click on the 'Show For:' field.

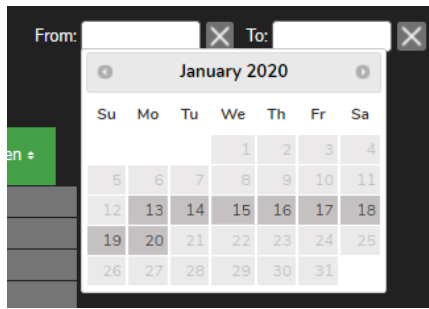


This will open a window which will allow you to select the classes or teaching groups that you want to view. Select the classes or groups that you want to view and click the 'OK' button.



To change the date range that you would like to view data from, select dates in the 'From'- 'To' date selector.





**EXPORT TO EXCEL**

Data can be exported from the Data Dashboard by clicking the **EXPORT TO EXCEL**. This will export the data currently being viewed in the Data Dashboard as an Excel spreadsheet.

## 2.4 Reading the data table

Student	Name ↕	Class ↕	Score ↕	Hints taken ↕
Ian Findlay	Year 7	1/9 (11%)	+	0
Andrew Foran	Year 7	4/9 (44%)	+	1
Karen Johnston	Year 10	3/9 (33%)	+	0
Elizabeth Magee	Year 7	9/9 (100%)	+	2
Albert Williams	Year 9	4/9 (44%)	+	1

The data table has four headers-


**Student Name-** This is the name of the Student that has complete the task.

**Class-** This is the class that the Student is in.

**Score-** The current score is shown as a fraction and percentage. This is the number of completed stages for the task out of the total number of stages.


**Hints taken-** This shows the current number of hints that have been taken for the task.

## 2.5 Breakdown

Next to the score fraction and percentage there is a  icon.

Clicking this will allow you to see the number of times that the student has attempted the task along with details on the date and time, score for that entry and hints taken for that entry.

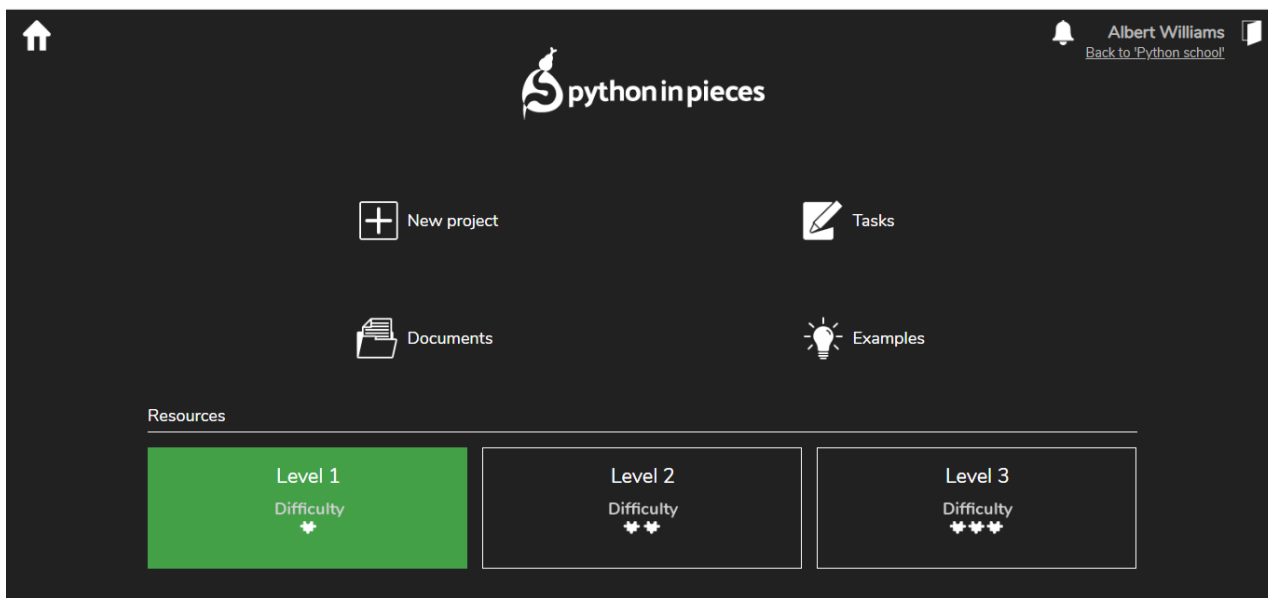
For example, a student may have started a task and then needed to restart it. This table allows the teacher to see when this has happened.

Andrew Foran	Year 7	4/9 (44%)		1
Breakdown				
Date	Score	Hints taken		
17 Jan 20 16:12	3/9 (33%)	0		
17 Jan 20 16:15	5/9 (55%)	1		
17 Jan 20 16:18	9/9 (100%)	4		
17 Jan 20 16:19	2/9 (22%)	0		
20 Jan 20 17:28	4/9 (44%)	1		

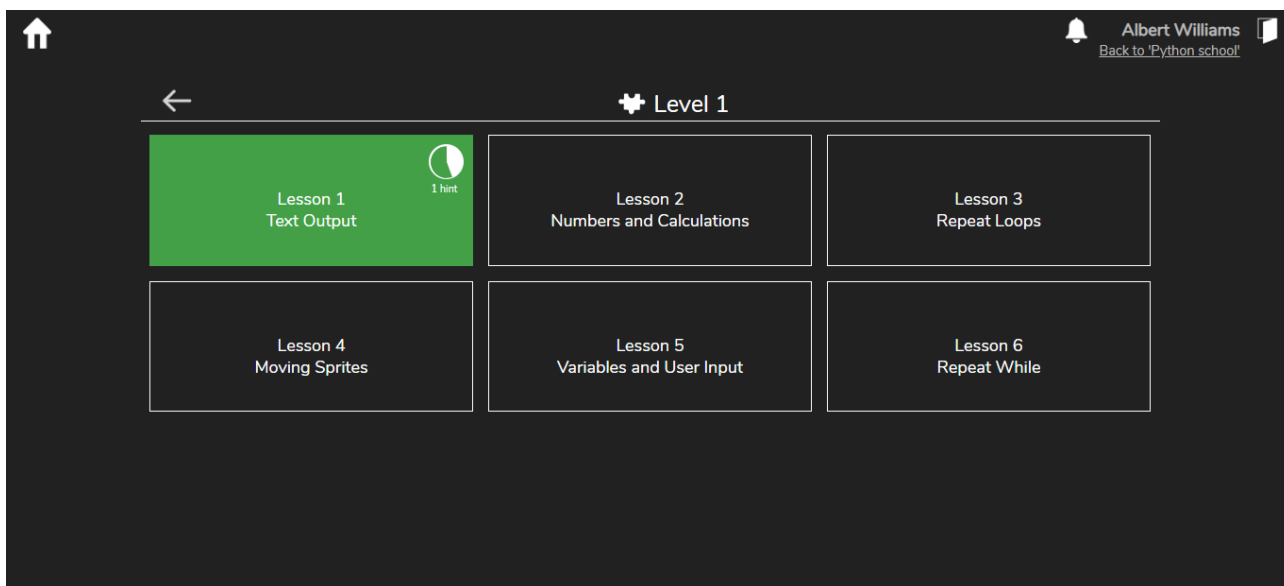
## 3. Student Progress

Students can view their own progress for lesson on the lesson icons. These allow students to work through the readymade lessons at their own pace and continue from where they left off.

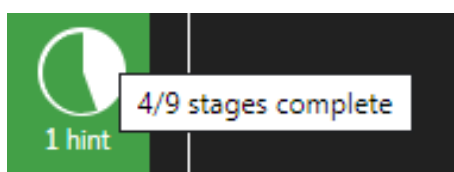
To view this, navigate to the resources area of the homepage and select a level.



Any activity that has been started will display a pie chart indicating the current progress and a hint count beneath it.



For more detail, hover over the pie chart with the mouse to see a tooltip indicating the number of stages completed as a fraction.



A tick will show in place of the pie chart to show that the lesson activity has been completed.

