



data
driven
districts

DDD – 2019 Release 1 – Release Notes

Table of Contents

1. Background.....	2
2. Dashboard Updates.....	2
New Landing Page.....	2
Learner Accession Number Masking.....	4
Report Time-Stamping.....	4
Learner Promotions Pie Chart.....	5
Achievement Tool Tips.....	5
Admin Console Link.....	6
User Password Expiry.....	6
Report Descriptions.....	6
SIG Report Availability.....	6
Cohort Report Availability.....	6
Dashboard Useful Tips.....	7
Dashboard Information Pages.....	7
Scheduled Reports – Phase 2.....	7
3. Report Updates.....	10
Mathematics and Languages Report.....	10

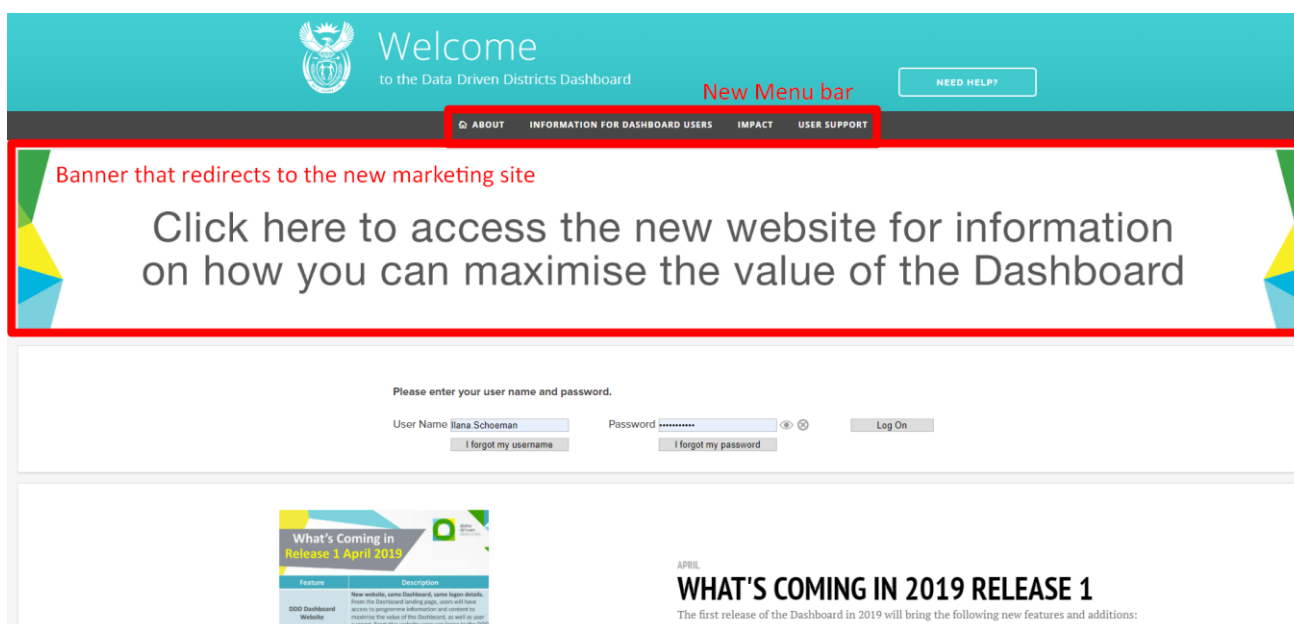
1. Background

The purpose of this document is to provide more details around the first Dashboard release of 2019, i.e. 2019 Release 1. This document will provide more insight around the new functionality and enhancements within the DDD Dashboard.

2. Dashboard Updates

New Landing Page

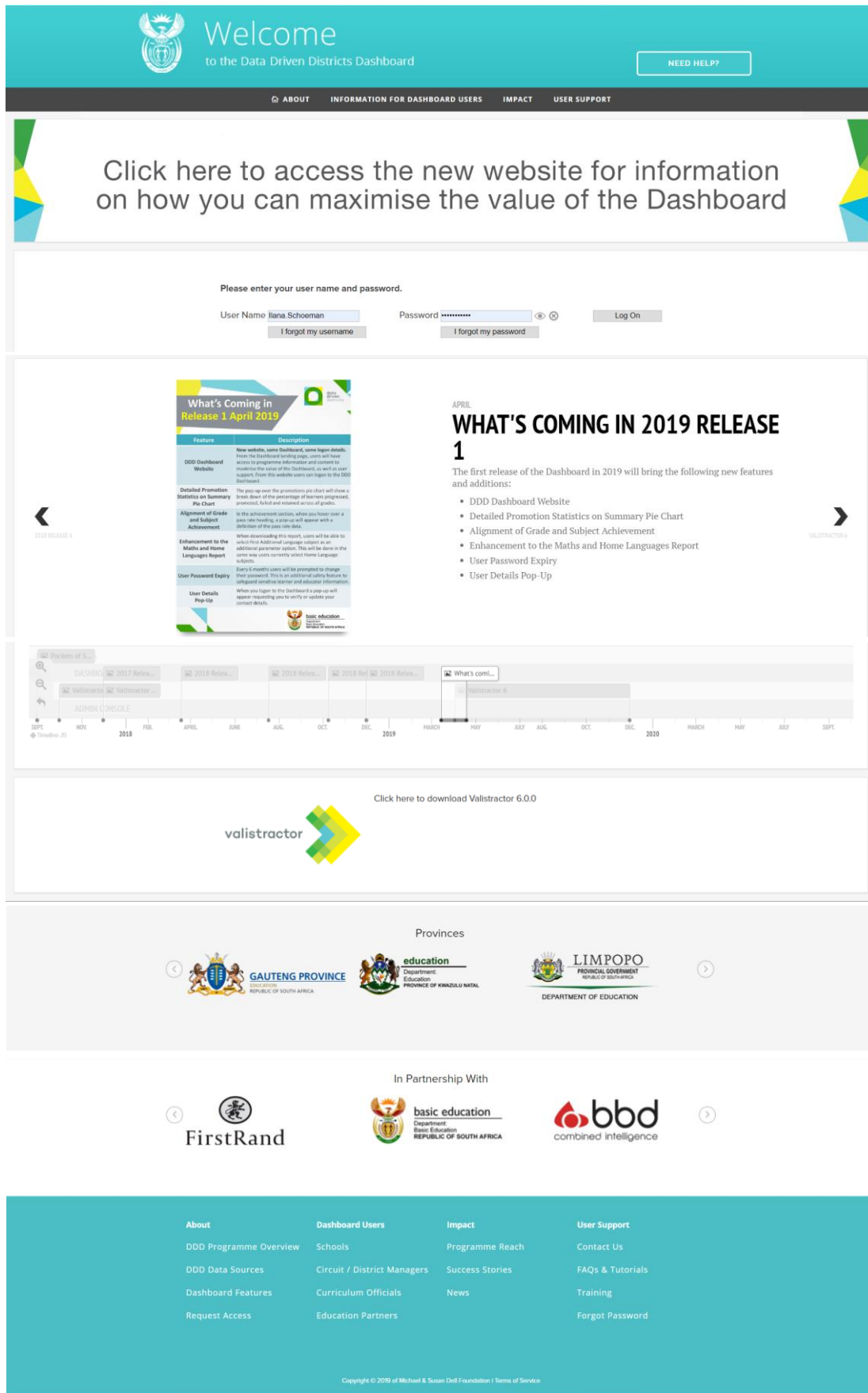
The new DDD marketing website will go live as part of this release. Users will notice that when navigating to the DDD Dashboard link, the dashboard will now have a new menu bar below as well as a banner that directs them to the marketing site when clicked on. This is indicated in the screen shot below.



The DDD Dashboard login pages were updated to bring cosmetics in line with the new marketing website and the following changes will be noticed:

- The header now stretches the full width of the page;
- A “Need Help” button is available in the page header;
- A menu bar that is aligned with the marketing site is also visible on the DDD Dashboard logon page;
- A banner that directs to the marketing site is visible below the menu bar; and
- The page footer is aligned with the marketing site footer;

This can be seen in the following screenshot:



The screenshot shows the homepage of the Data Driven Districts Dashboard. At the top, there is a teal header with the South African coat of arms, the text "Welcome to the Data Driven Districts Dashboard", and a "NEED HELP?" button. Below the header is a navigation bar with links for "ABOUT", "INFORMATION FOR DASHBOARD USERS", "IMPACT", and "USER SUPPORT".

The main content area features a large banner with the text: "Click here to access the new website for information on how you can maximise the value of the Dashboard". Below this is a login section with the prompt "Please enter your user name and password." and input fields for "User Name" (filled with "Ilana Schoeman") and "Password" (masked with asterisks). There are "Log On" and "I forgot my username/password" buttons.

The central section is titled "WHAT'S COMING IN 2019 RELEASE 1" and lists new features and additions for the first release of the dashboard in 2019:

- DDD Dashboard Website
- Detailed Promotion Statistics on Summary Pie Chart
- Alignment of Grade and Subject Achievement
- Enhancement to the Maths and Home Languages Report
- User Password Expiry
- User Details Pop-Up

Below the list is a timeline showing releases from 2017 to 2020. A "What's coming..." pop-up is visible over the timeline. Further down, there is a link to "Click here to download Valistractor 6.0.0" with the Valistractor logo.

The "Provinces" section displays logos for Gauteng Province, Limpopo Provincial Government, and the Department of Education.

The "In Partnership With" section features logos for FirstRand, Basic Education (Department of Basic Education, Republic of South Africa), and bbd (combined intelligence).

The footer contains a grid of links categorized under "About", "Dashboard Users", "Impact", and "User Support".

About	Dashboard Users	Impact	User Support
DDD Programme Overview	Schools	Programme Reach	Contact Us
DDD Data Sources	Circuit / District Managers	Success Stories	FAQs & Tutorials
Dashboard Features	Curriculum Officials	News	Training
Request Access	Education Partners		Forgot Password

Copyright © 2019 of Michael & Susan Dell Foundation | Terms of Service

Learner Accession Number Masking

Many schools capture the learner's South African ID number as the learner's Accession Number, which compromises showing the learner's Accession Number as anonymised data because now the learner's 13-digit ID No is exposed. To fully anonymise this bit of data the number is masked in parts, according the following rules.



1. Learners with Accession Number lengths equal to or longer than 8 characters must be masked and only the last 4 characters must be displayed.
 - 1.1. Example 1: 8505055620088 becomes *****0088
 - 1.2. Example 2: AB00485122 becomes *****5122
2. Learners with Accession Number lengths less than 8 characters must be displayed in full
 - 2.1. Example 1: 201801192 remains 201801192
 - 2.2. Example 2: AXC234 remains AXC234

Educators - 43		Learners - 1487				
Name	Age	Grade	Absent	Report Marks	Age vs Grade	
Accession# *****0725	12	1	0 days 0%	69%	5 year(s) behind	
Accession# *****8088	14	7	0 days 0%	39%	1 year(s) behind	
Accession# *****8086	6	R	0 days 0%	70%	on track	
Accession# 7708	8	3	0 days 0%	87%	on track	
Accession# *****0088	14	7	0 days 0%	49%	1 year(s) behind	
Accession# *****0084	12	6	0 days 0%	75%	on track	
Accession# 7768	8	3	0 days 0%	73%	on track	

Report Time-Stamping

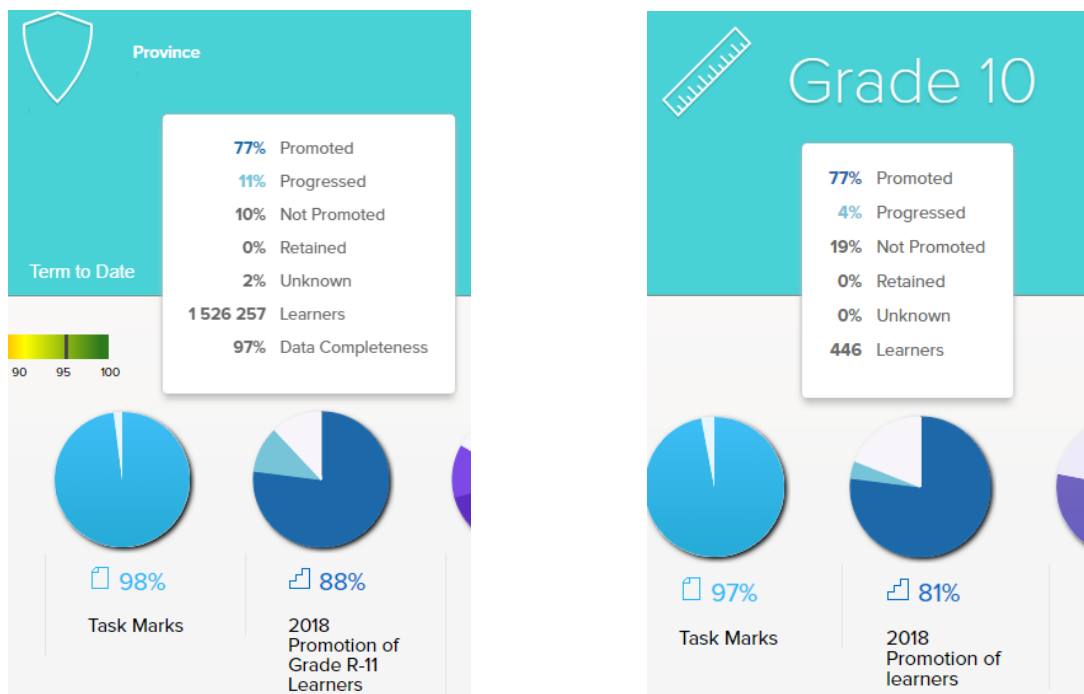
DDD Dashboard reports have become indispensable to users and their accuracy has come under spotlight to the user. The user is asking her/himself the question, can I trust these reports? Schools have a route in which they can have their data resubmitted. This means that 2 reports, 1 generated using the first submission and another using the second submission have a high chance of showing different data for the same institution.

With timestamped reports, users will easily determine when a report was generated.

A	B	C	D	E	F	G	H	I	
		Subject Mark Schedule Report For Afrikaans Home Language 2018 Term 4 As at 11 March 2019 15:15							
Number	District	EMISCode	Institution	Accession Number	Learner Name	Gender	Grade	Exam/Test Mark (%)	Ext

Learner Promotions Pie Chart

The Dashboard now shows the percentage of progressed learners for the entity summary pie chart for Grade R to 11 Promotion. The pie chart also reflects this on the entity's Grade Page. This is similar to how the Grade 12 Pie Chart is segmented on pass quality. The pie chart pop up also shows the number of progressed learners.



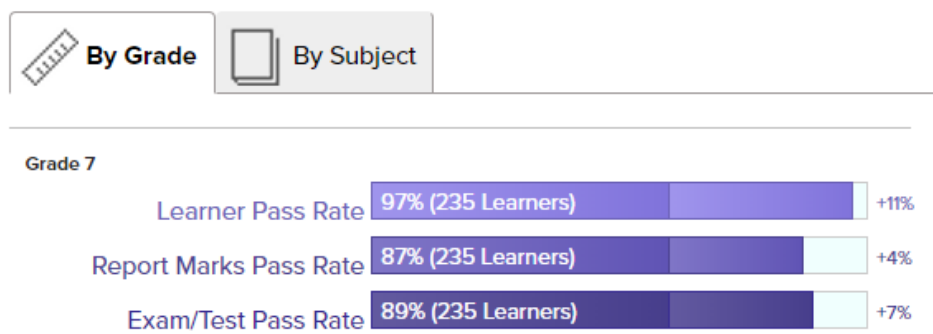
Achievement Tool Tips

The Learner Achievement section shows achievement by Grade and by Subject. Currently, the section shows Learner Pass Rate, Report Marks Pass Rate and Exam/Text Pass Rate on achievement by grade although achievement by grade is only measured by Learner Pass Rate. This is confusing users on which is the correct figure to use to determine learner achievement.

When users hover over the below terms a pop-up appears with the descriptions as follows:

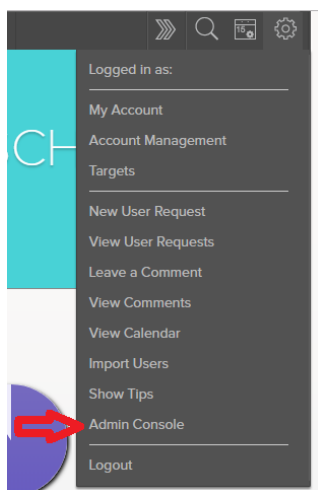
- **Learner Pass Rate:** The percentage of learners promoted for the term being viewed.
- **Report Marks Pass Rate:** The percentage of subjects passed based on final learner report marks.
- **Exam/Test Pass Rate:** The percentage of subjects passed based on exam and test marks.

Achievement



Admin Console Link

An "Admin Console" menu option has been added within the Dashboard's Settings list. When the user with Admin Console access (via appropriate user roles) logs in on the Dashboard and clicks the Settings button, they are able to see the menu option "Admin Console". When clicking on this option, the user is directed to the Admin Console main page without having to log on.



User Password Expiry

Dashboard users must regularly change their passwords to safeguard themselves against others accessing sensitive information on the DDD Dashboard. Changing user passwords to something different and unique regularly makes it safe in that if someone does guess a password, it cannot be used for an extended period.

To this aim a six month password cycle has been implemented in the DDD system and this forces users to update their password regularly. Passwords are forced to be unique and to comply to the current password composition rules.

This applies to both the DDD Dashboard and the DDD Admin Console.

Report Descriptions

The descriptions that are displayed when the user hovers over the report menu item have been updated in as much as they are more meaningful at the school entity level. In the past, the descriptions would erroneously indicate that the school entity might contain other schools, which is not the case. These have been updated accordingly to be more correct.

SIG Report Availability

Reports have sometimes not been available for special interest groups (SIGs). Where applicable, the reports that were not available while viewing a SIG have now become available.

Cohort Report Availability

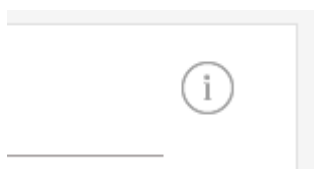
Reports have sometimes not been available for Cohorts. Where applicable, the reports that were not available while viewing a Cohort entity, below Organisation and Project, have now become available.

Dashboard Useful Tips

The Dashboard useful tips have been updated to be more aligned with the changes that have been applied to the system recently. These are available when turning on the “Show tips at log on” checkbox under Settings | My Account in the DDD Dashboard.

Dashboard Information Pages

The Dashboard information pages have been updated to be more aligned with the changes that have been applied to the system recently. These are available when clicking the information icon on each section. The icon is found on the top righthand corner of each section and looks like this:



Scheduled Reports – Phase 2

Dashboard users rely heavily on reports downloaded from the Dashboard to conduct various analysis on learner performance. Downloading large reports with their formatting requirements has a negative impact on the users’ experience of the Dashboard, it responds slower and some reports cannot be successfully generated.

As a form of mitigating the negative impact on user experience, reports that are calculated to exceed a set threshold when a user requests a scheduled report, the user is informed that the report will be scheduled to run in off-peak usage and processing times. The user is also notified that a download link to the report will be emailed to their registered DDD Dashboard email address once the report has been generated. The user has the option to continue to schedule the report, or to cancel and try at a lower entity level.

As part of phase 2 of the Scheduled Reports functionality, DDD Dashboard reports that have been identified as high risk to user experience be configured to be scheduled when specific thresholds are exceeded.

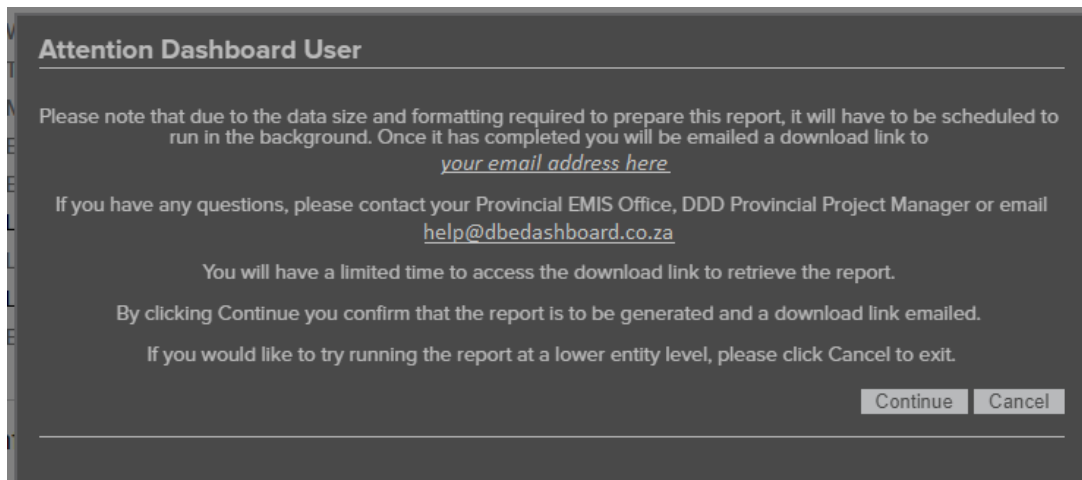
- The following already scheduled reports have been enabled for download from Province level and below:

Report Name	Level currently available at	Threshold Applied
Educators Absent +5 Days	District and below	Educator Count
Learner Chart Report	Region and below	Learner Count
Learners with Invalid ID numbers	District and below	Learner Count

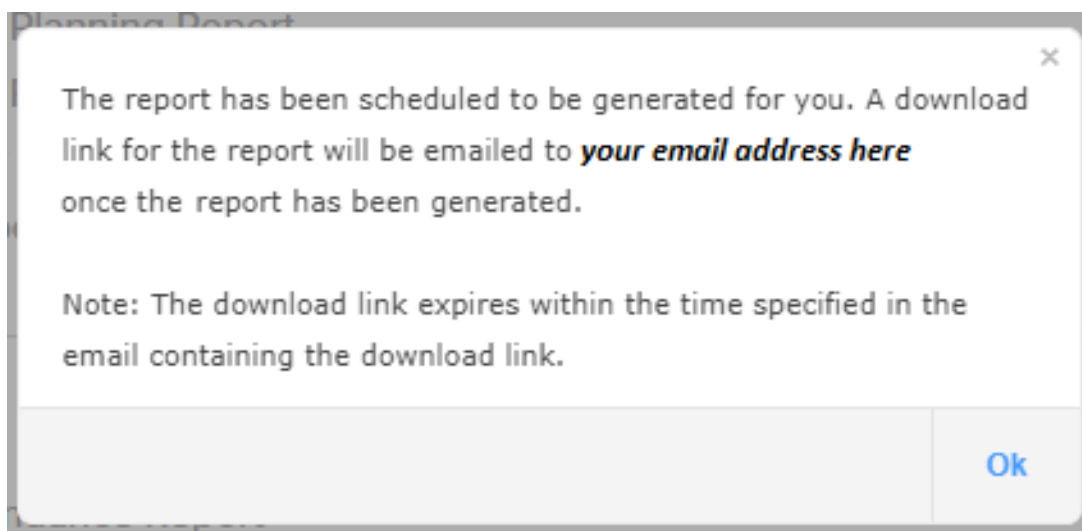
- The following reports have been configured for scheduling, appropriate thresholds defined as per current format of the rules and the reports enabled for download from Province level and below:

Report Name	Level currently available at	Threshold Applied
Duplicate Learner Record Report	District and below	Learner Count
Educator Attendance Percentage	Region and below	Educator Count
Educator Information Report	District and below	Educator Count
Learner Information Report (Personalised)	District and below	Learner Count
Subject Mark Schedule	Circuit and below	Learner Count within selected Grades & Subject
Learner Intervention Planning Summary Report	District down to Cluster only	Learner Count
Promotion Statistics Report	District and below	Learner Count

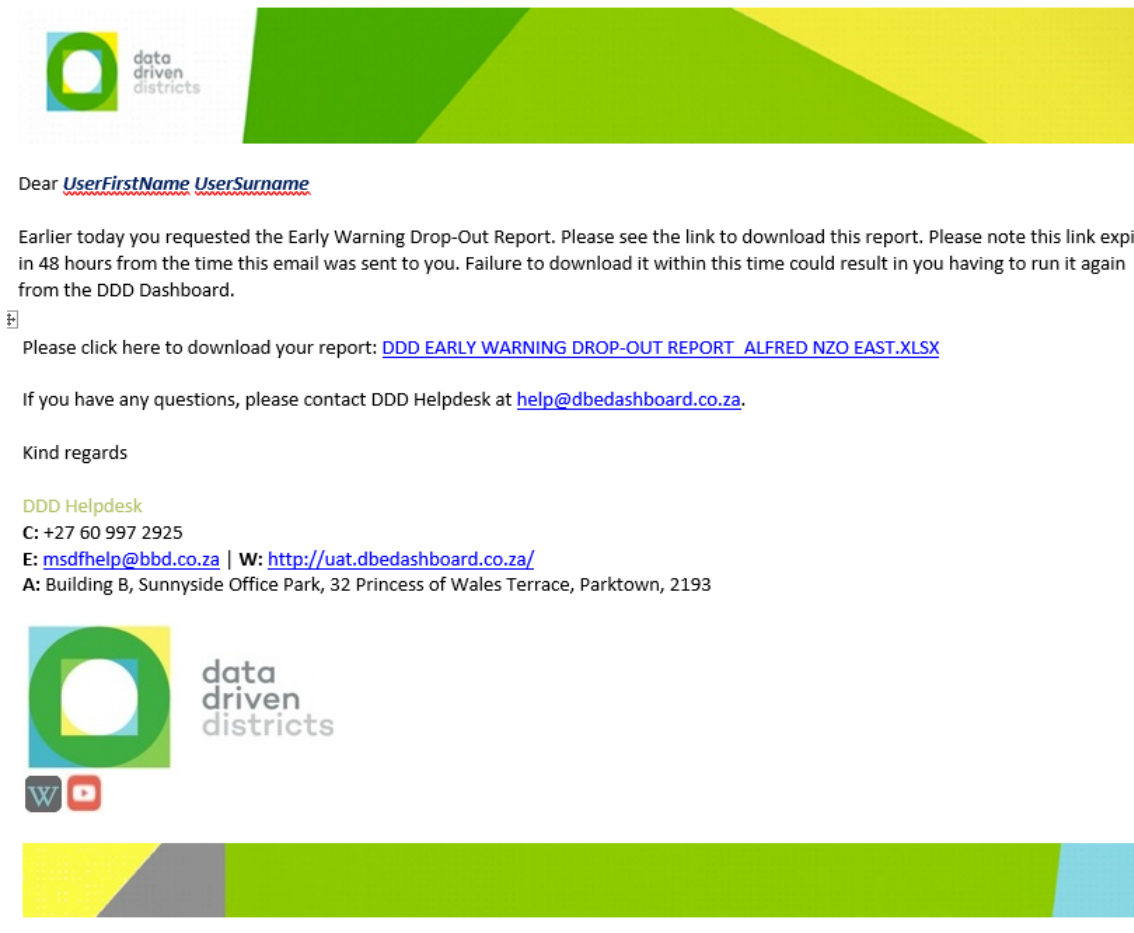
When a report is scheduled based on the parameters selected and the scheduling rules applied to the report, the user is informed by a message similar to this:



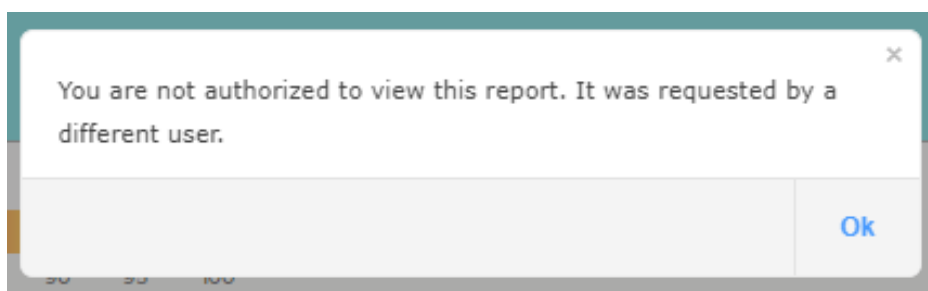
Should the user choose to continue, the report request is submitted for scheduled generation and the user is shown the following confirmation screen:



Once the report is generated and ready to be downloaded by the user, the user is emailed confirmation. The email includes the active time of the report, after which it could be deleted from the system. The generated email looks something like this:



The user can click the link in the email to connect to the DDD Dashboard to download the generated report. The DDD Dashboard will request login details from the user. If these match the user that requested the report, then the generated report will start to download automatically. If the login details do not match the user is notified that the report is unavailable for this user.



The user will remain logged in to the DDD Dashboard, though.

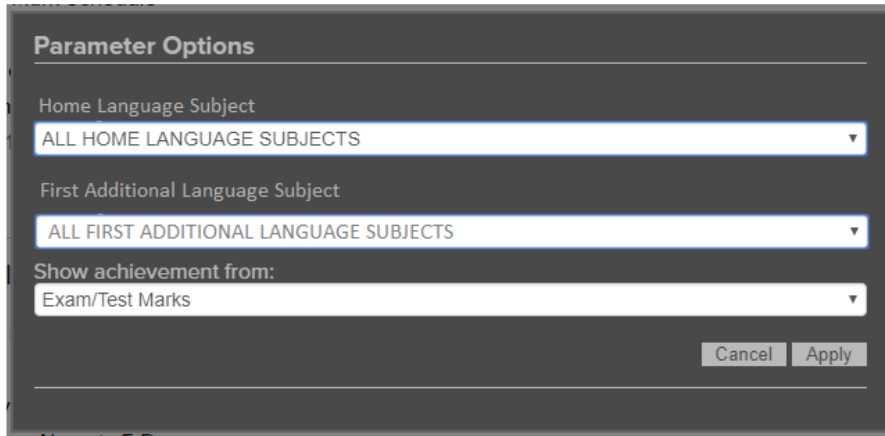
If the report fails to generate in the allotted timeframe, or for any other reason, the user is emailed a notification with the following text:

Please be advised that the {Requested Report Name} cannot be generated. Kindly logon to the DDD Dashboard and download the same report at a lower entity level than {Requested Level}.

3. Report Updates

Mathematics and Languages Report

This report was called the “Mathematics and Home Languages Report”. Users have requested to be able to also include a First Additional Language (FAL). The report is now called the “Mathematics and Languages Report” and provides the ability to select First Additional Language subjects in the same way it currently provides the ability to select Home Language subjects as shown in the image below.



The screenshot shows a 'Parameter Options' dialog box with three dropdown menus. The first dropdown is labeled 'Home Language Subject' and is set to 'ALL HOME LANGUAGE SUBJECTS'. The second dropdown is labeled 'First Additional Language Subject' and is set to 'ALL FIRST ADDITIONAL LANGUAGE SUBJECTS'. The third dropdown is labeled 'Show achievement from:' and is set to 'Exam/Test Marks'. At the bottom right of the dialog are 'Cancel' and 'Apply' buttons.

Parameter Options screen with selection of FAL subjects

The resultant report now includes the selected Home and First Additional languages.