



Help documentation for UAE
Ministry of Education, Design and
Technology course.

December 2018

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CREATE A NEW ACCOUNT OFFLINE

You can create a new account without an internet connection (offline), then sync your account when you reconnect.

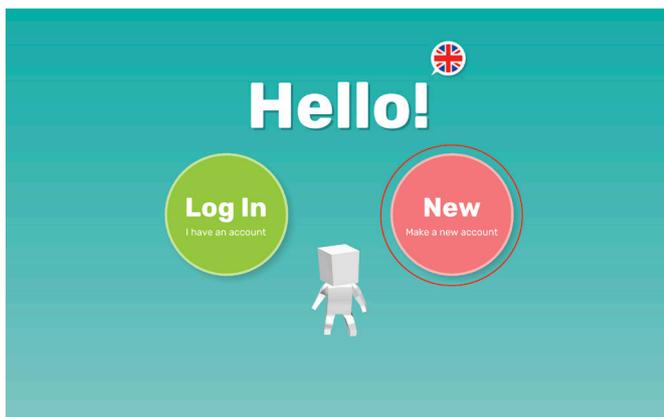
If you're having internet connection issues, don't worry - you and your students can still use many of Makers Empire's features. You can still use all the Create modules; and complete the Training Lab tutorials, Challenge Central curriculum-aligned challenges and the Daily Challenge.

If you are currently offline, but using a device which you have previously used while online, you can log in with your existing account on that same device.

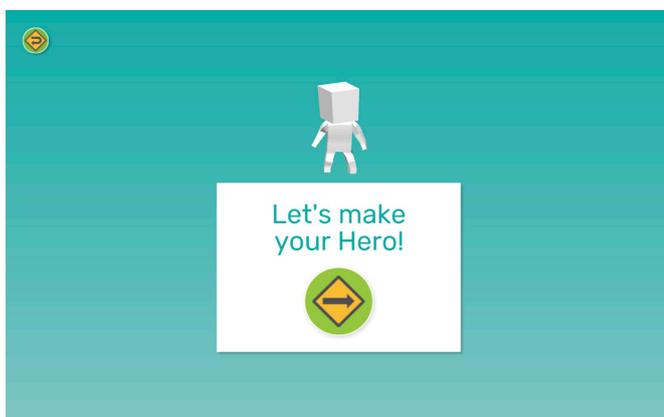
If you do not have an internet connection and can not use a device which you've previously used while online, or you're using Makers Empire for the first time, you'll need to create a new account.

To create a new account offline:

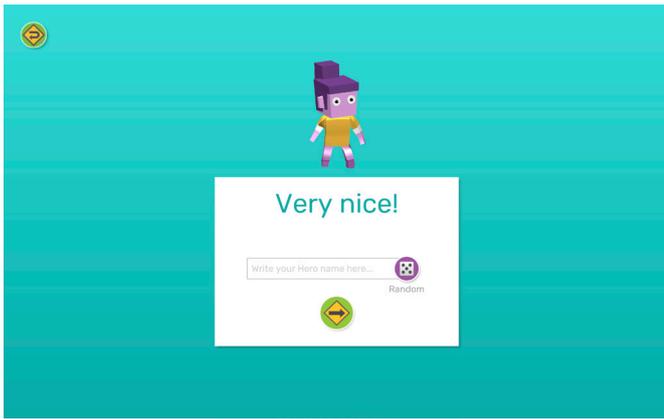
1. Open **Makers Empire 3D** and click the pink **New** button.



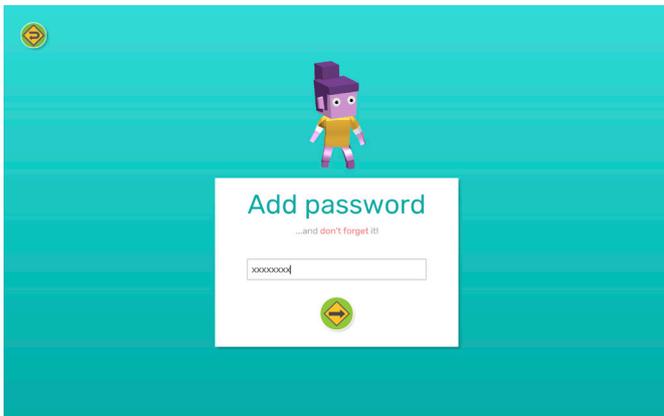
2. Follow the prompts to create your **Hero**.



3. Choose a **username**.



4. Set a **password**.



5. In offline mode you will now go straight to **Maker World** where accessible areas will be coloured, while inaccessible areas will be greyed out.



6. If / when we can establish an internet connection, the **network indicator** icon on the **Profile tab** will change from red to yellow. Click the **Profile tab** to take your new account online.

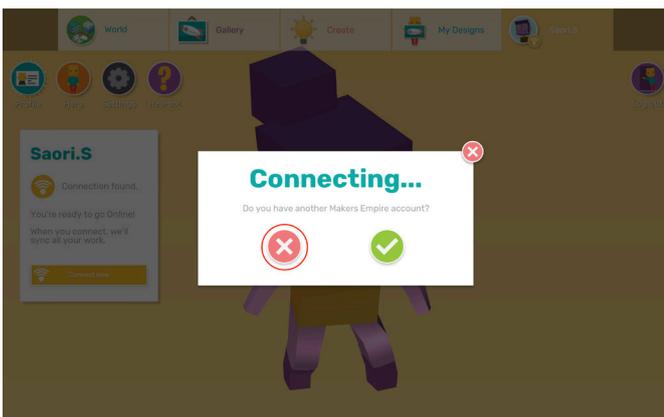


7. Click the yellow **Connect now** button on the left of screen.



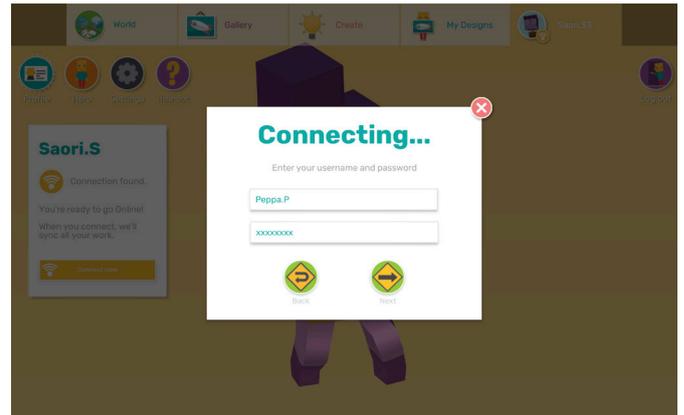
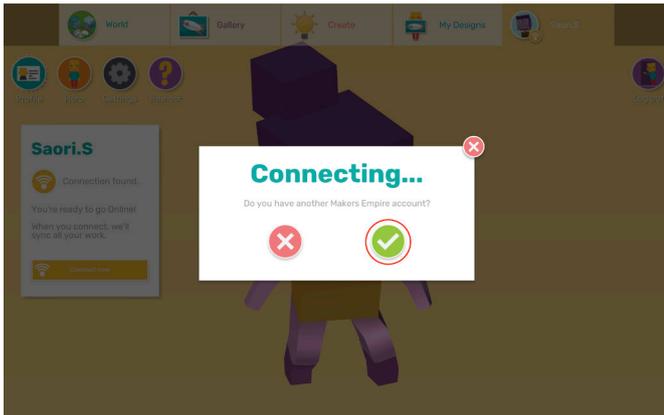
You will now be asked if you have another Makers Empire account.

8.1. If you **do not have another account**, click the **no (x)** button and this new account will become your account **every time you use Makers Empire on any online device**.

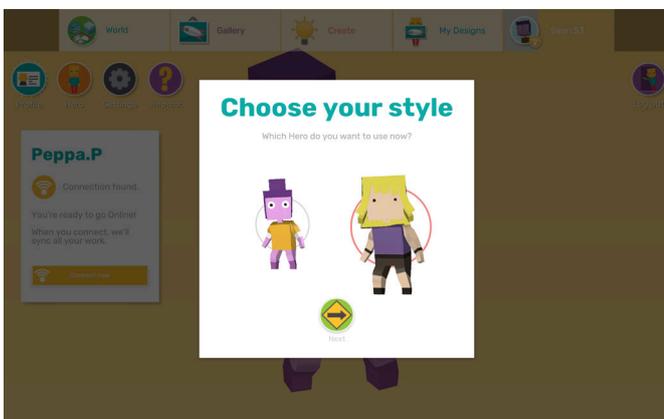


*** NOTE: this account is still not associated with a school / class.** To learn how to join a class with this account, visit <http://help.makersempire.com/makers-empire-3d-app/class-codes> and scroll down to "HOW DO I RESET / UPDATE MY STUDENTS' CLASS CODE?"

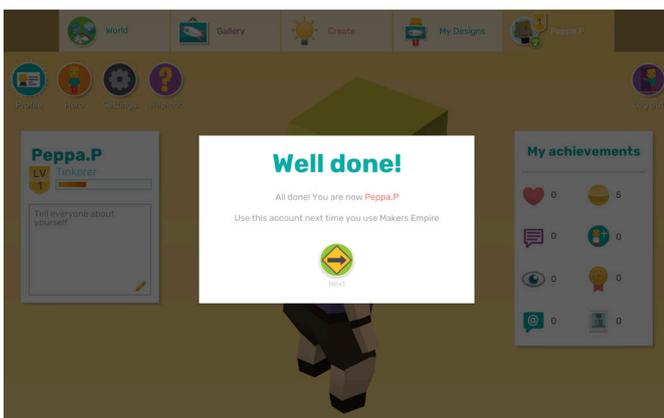
8.2. If you **do have another account** that you want to sync with, click the **yes (tick)** button and you will be prompted to enter your other **username** and **password**.



If we recognise your username and the password is correct, you'll be asked which **Hero** you want to keep. **Select your preferred Hero style** and click the **Next** button.



You're now back to your old self! Any designs you created while offline will be synced with your previous account and visible in **My Designs** as per usual.



LOG IN TO AN EXISTING ACCOUNT IN OFFLINE MODE

No internet connection? No problem. You can still log in to your Makers Empire account offline.

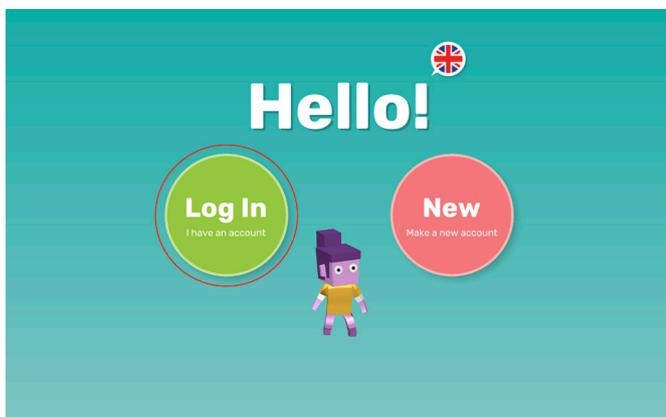
If you are **currently offline**, but using a device which you have **previously used while online**, you can log in with your existing account on that **same device**.

If you **do not have an internet connection** and **can not** use a device which you've previously used while online, or you're using Makers Empire for the first time, you'll need to [create a new account](#).

For example: Tia was using Makers Empire 3D online on iPad #1 yesterday. Today her classroom does not have an internet connection. If Tia uses iPad #1 again today, she can log in using her same account. If she can not use iPad #1 for whatever reason, she will need to create a new account.

To log in to an existing account in while offline:

1. Make sure you are using a device which you have personally used while online.
2. Open the **Makers Empire 3D** app and click the **Log In** button as per usual.



3.1. If / when we can establish an internet connection, the **network indicator** icon on the **Profile tab** will change from red to green and all areas of the Maker World will be accessible again. Your offline work and progress will sync with your account and will be available on any online device.



3.2 If we can not establish an internet connection, all your offline work and progress will be stored locally on your device, and may be synced at a later time.

ASSESSING YOUR STUDENTS' WORK

Make assessment and feedback fast and fun with Makers Empire built-in assessment tools.

There are two ways to assess students' designs using Makers Empire:

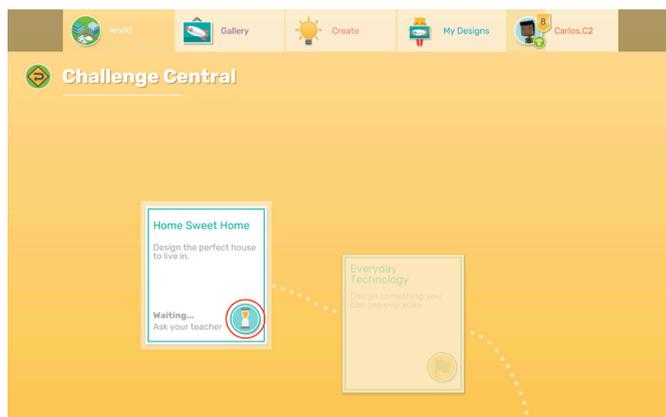
- **Using the Makers Empire 3D app**
- **Using the Teachers Dashboard**

ASSESSING STUDENTS' DESIGNS USING THE MAKERS EMPIRE 3D APP:

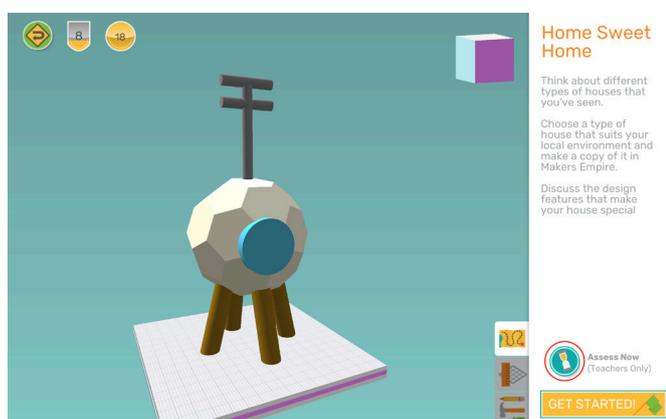
The benefits of assessing curriculum-aligned challenges in-app via Challenge Central are that it allows you to assess your student's work on their device without delay, and it works offline. The limitation of this method is that teachers can only assess one student's work at a time.

To assess your student's work:

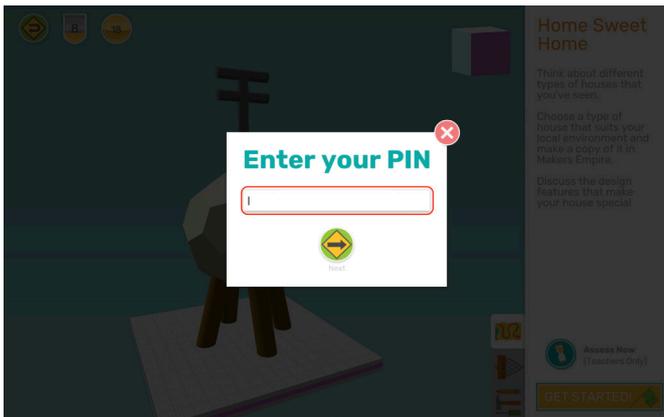
1. Once a student has submitted a challenge for assessment in **Challenge Central**, you will see an **hourglass icon**, meaning this challenge is **awaiting assessment**.



2. Click the **hourglass** icon to see your student's design and a recap of the design brief. You can zoom in and move around the design using the normal controls. Once you're ready to assess the work, go to the **Challenge (map) tab**, and click the **Assess Now (spinning hourglass)** icon.

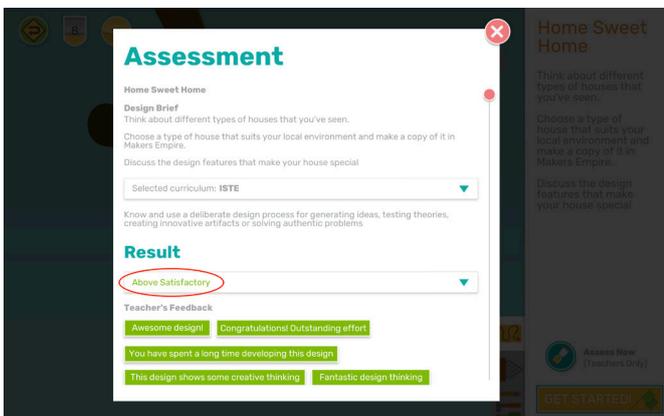


3. You will be prompted to **enter your PIN**. Your PIN is set by your system administrator when they install Makers Empire 3D. To reset your PIN, you'll need to contact your system administrator.



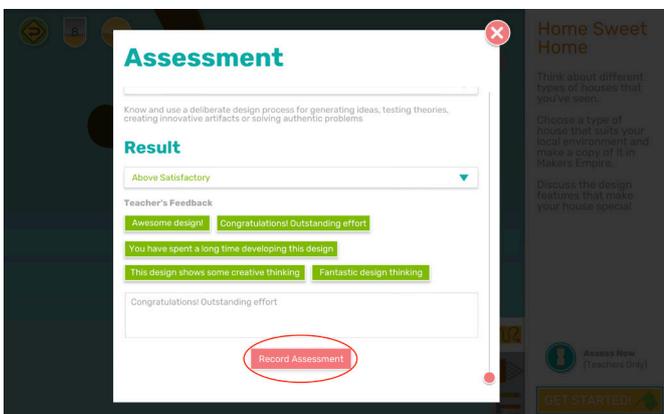
*NOTE: Do not share this PIN with your students.

4. Choose the assessment level from the **dropdown menu**: Above Satisfactory, Satisfactory, or Below Satisfactory.

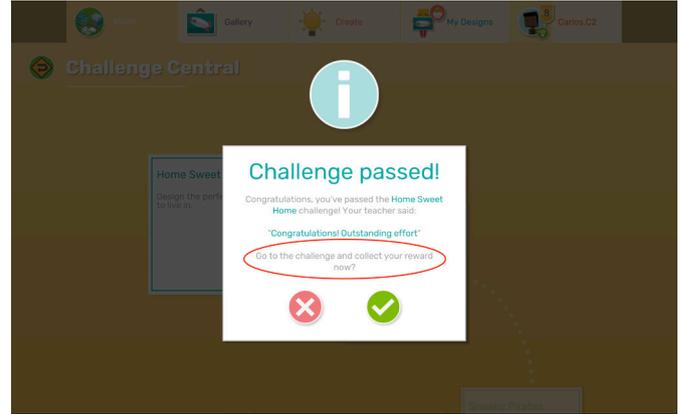


* NOTE: An assessment of Below Satisfactory will require the student to retry the challenge before they can proceed on to the next challenge.

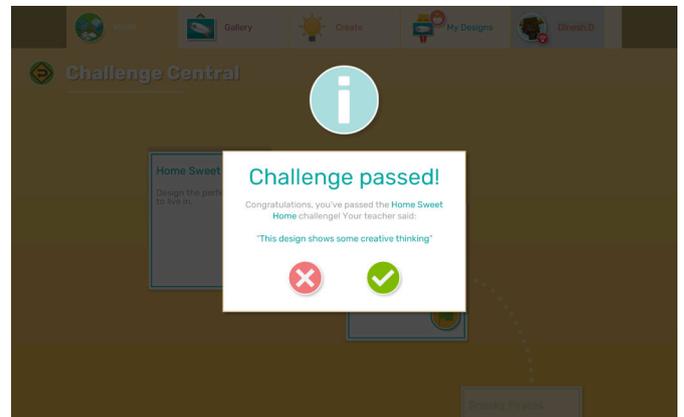
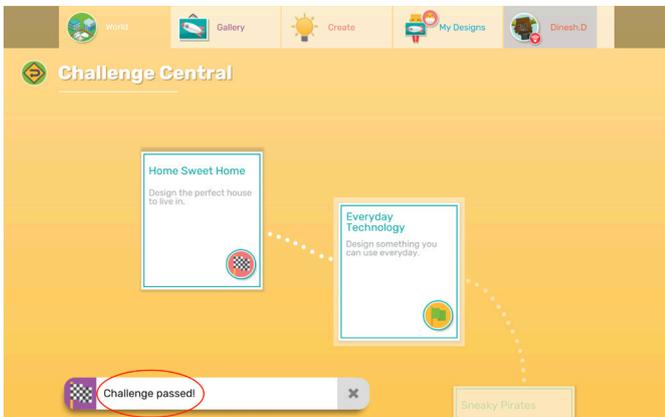
5. Choose a **pre-set feedback response**, or write your own in the text field. Click the **Record Assessment** button when you are done.



6.1 **If you are online**, your student will receive a notification telling them “Challenge passed!” - they can click this notification to see your assessment feedback and collect their tokens rewards.

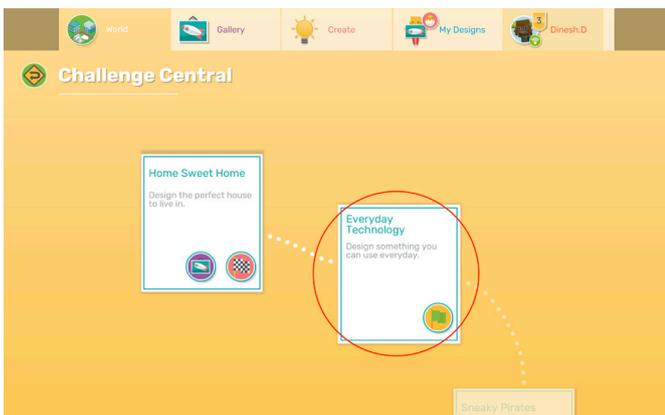


6.2 **If you are offline**, your student will still receive a notification telling them “Challenge Passed!” - they can click this notification to see your assessment feedback, but **they will not receive tokens for work assessed while offline.**



* NOTE: Teachers can [award tokens anytime](#) via the [Teachers Dashboard](#) (requires internet connection)

7. Students can now attempt the next challenge!

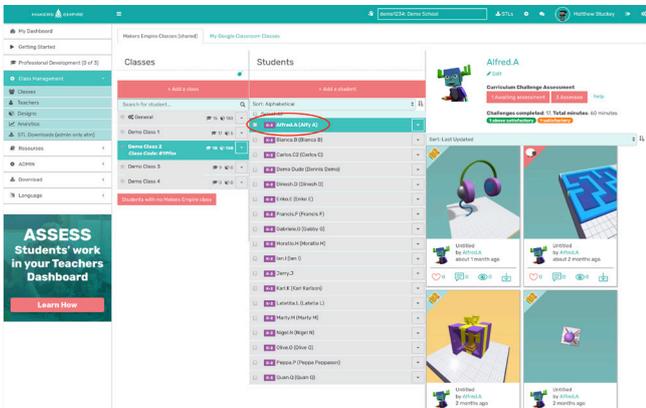


ASSESSING STUDENTS' DESIGNS USING THE TEACHERS DASHBOARD:

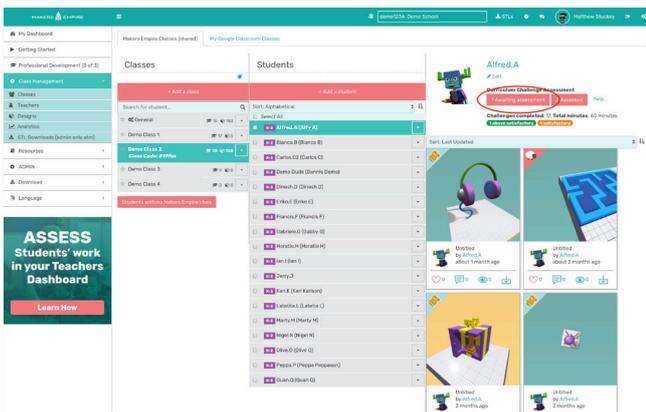
The benefits of assessing curriculum-aligned challenges is that you can quickly assess multiple students' work from one device. The limitation of this method is that it does require an internet connection.

To assess your student's work:

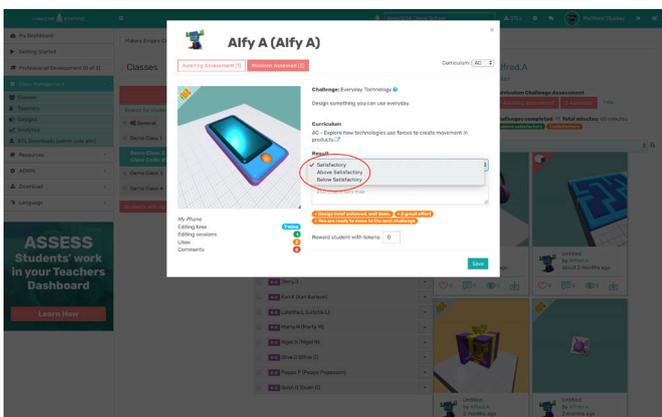
1. In the [Teachers Dashboard](#), go to **Class Management > Classes**. Select the relevant **class** and **student**.



2. Click the **Awaiting assessment** button on the top right of screen.

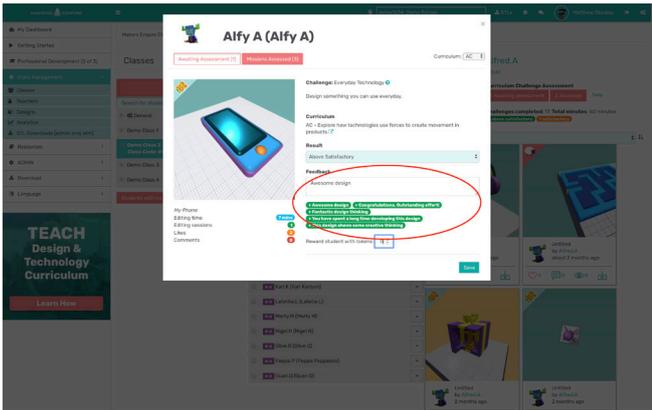


3. Choose the assessment level from the **dropdown menu**: Above Satisfactory, Satisfactory, or Below Satisfactory.

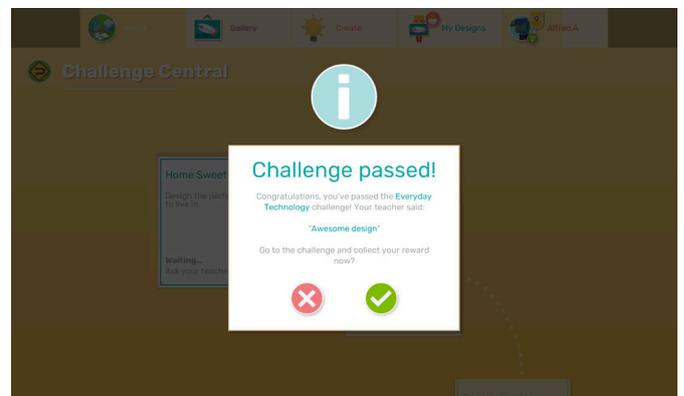


* NOTE: An assessment of Below Satisfactory will require the student to retry the challenge before they can proceed on to the next challenge.

4. Choose a **pre-set feedback response**, or write your own in the text field. You can also choose to **reward students with extra tokens** if their work was especially good. Click the **Save** button when you're finished.



5. Your student will receive a notification telling them "Challenge passed!" - they can click this notification to see your assessment feedback and collect their token rewards.



7. Students can now attempt the next challenge!



DOWNLOAD PROGRESS REPORTS

You can quickly download a report on your students progress anytime, directly from the Makers Empire 3D app.

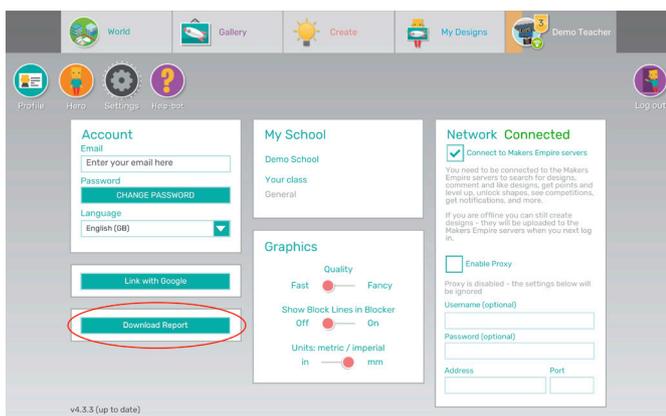
You can download a report anytime to get a quick visual record of your student's progress in Makers Empire. This is a big time-saver for teachers at grading / assessment time, and can be a great record to show parents and colleagues too.

To download a report:

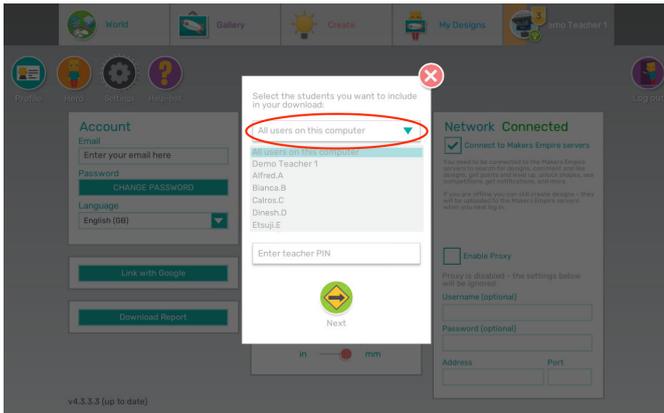
1. Log in to the **Makers Empire 3D** app, go to your **Profile tab** and click the **Settings (cog)** button.



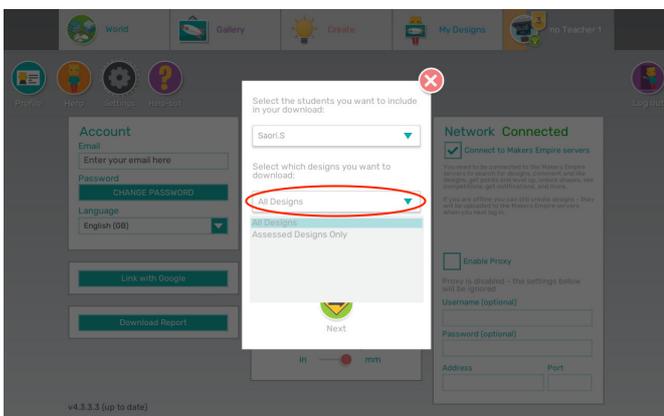
2. Click the **Download Report** button on the bottom left of screen.



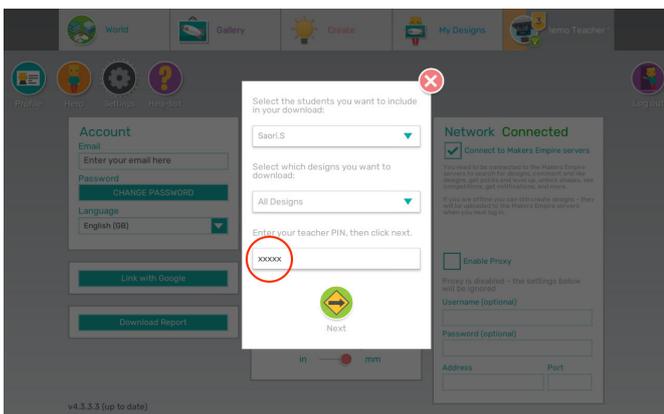
3. Select the **username** of the student whom you'd like to download a report for, or select **"All users on this device"** to download a report on all student's work created on that device.



4. Select whether you'd like to download a report on **All designs** or only **Assessed designs**.



5. Enter your **teacher PIN** and click the **Next** button. Your PIN is set by your system administrator when they install Makers Empire 3D. To reset your PIN, you'll need to contact your system administrator.



*NOTE: Do not share this PIN with your students.

6. You will be prompted to choose a location on your device where you'd like to save the report(s) to.

7. Once the report had downloaded, **double click the file** and it will open in a browser window.



Saori.S

Curriculum Challenges
2 Above Satisfactory
2 Satisfactory
0 Below Satisfactory

Curriculum Aligned Challenges



Challenge: Symmetrical Dinosaurs

Design a new type of dinosaur using your skills and symmetry. To meet the requirements, the dinosaur must have - a face - legs - symmetrical features

Curriculum Level: 5-8

Curriculum DB: Apply logical thinking for solving real-world problems. Define a problem. Identify what kinds of problems can be solved using modeling and simulation. Apply the design process to plan, design and model solutions. Test and evaluate 3D objects and individual performance.

Design title: Two dino party!

Description: It looks like one dino looking into a mirror.

Created on: 12/7/2018 11:28:54 AM

Result: Satisfactory

Teacher's Feedback: You are ready for the next challenge!



Challenge: Bubble Blowers

Model a bubble blower stick using the Shaper Module. To meet the requirements, the stick must have - a handle - one or more loops/shapes to blow bubbles

Curriculum Level: 5-8

Curriculum DB: Demonstrate an understanding of Makers Empire 3D design software. List main ways to protect against unintentional reveal of personal information. Develop skills in the Makers Empire software by completing a series of challenges. Identify differences between the Blocker Module and Shaper Module. Create a model using Blocker Module.

Design title: Untitled

Description: I think this would work, the bubbles come from the top.

Created on: 12/7/2018 11:28:24 AM

Result: Above Satisfactory

RECOVER USERNAME AND PASSWORDS

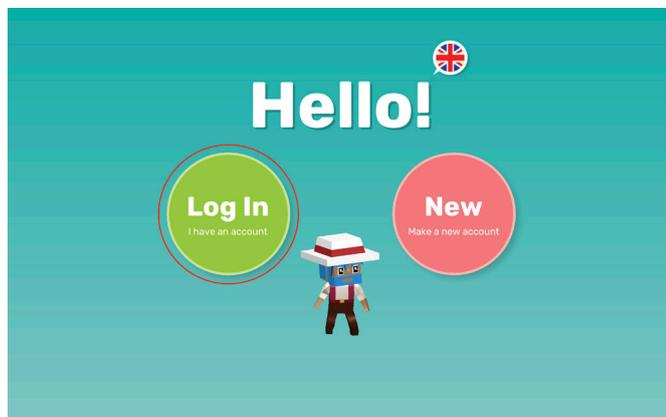
If your students (or you), forget their Makers Empire log in details you can help them recover their details and log in.

In this article:

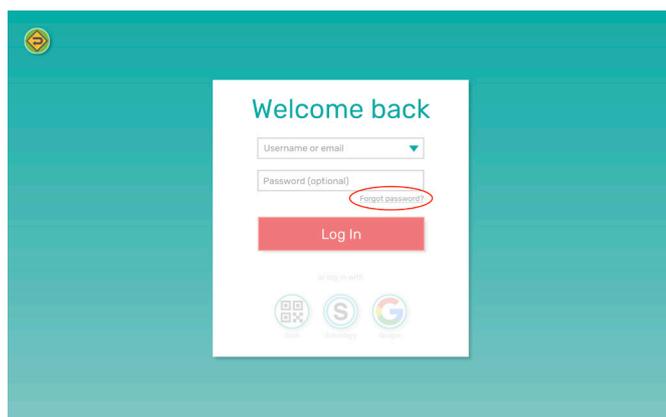
- **Recover username and password offline**
- **Recover username and password online, no email address**
- **Recover username and password online, with an email address**

RECOVER USERNAME AND PASSWORD LIST OFFLINE:

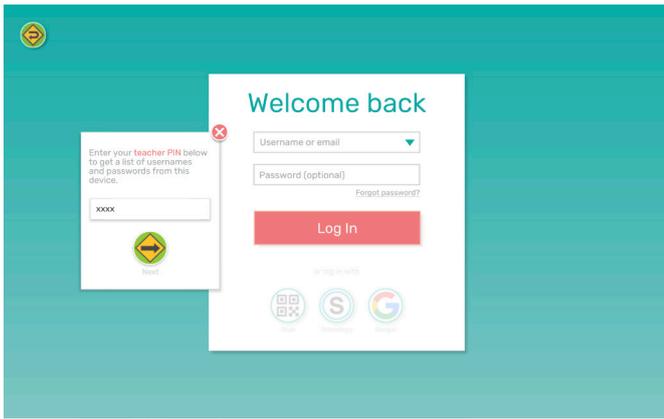
1. Open the **Makers Empire 3D** app and click the green **Log In** button.



2. Click "**Forgot password?**" below the Password field.

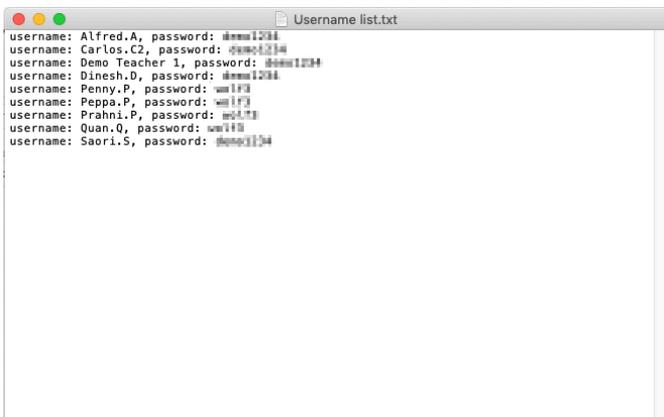


3. Enter your **teacher PIN** and click the **Next** button.



4. You will be prompted to choose a **file name** and **location** on your device where you'd like to save the list to.

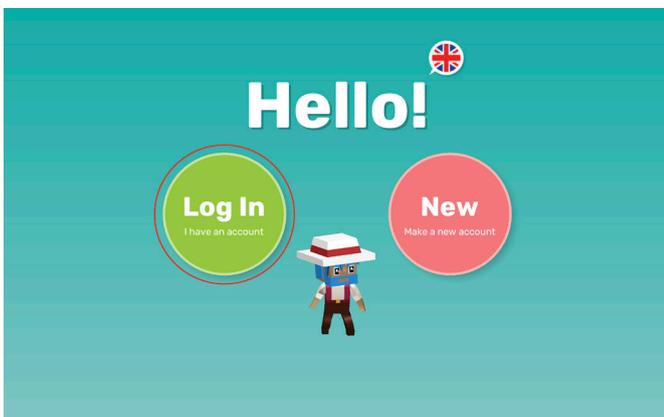
5. Your username and password list will download as a **.txt file**.



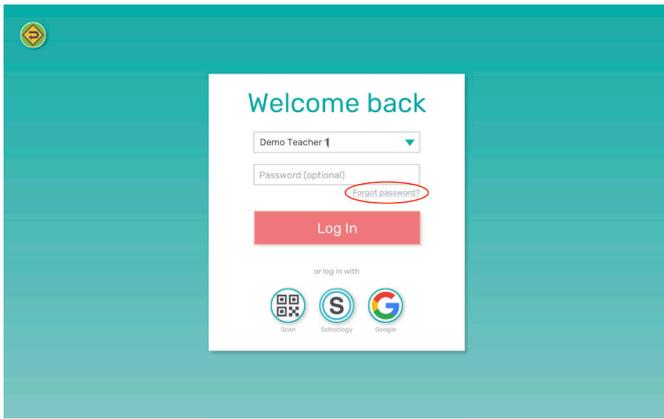
* NOTE: For security reasons, you will only be able to see usernames and passwords for accounts which were originally created on that device.

RECOVER USERNAME AND PASSWORD ONLINE, NO EMAIL ADDRESS:

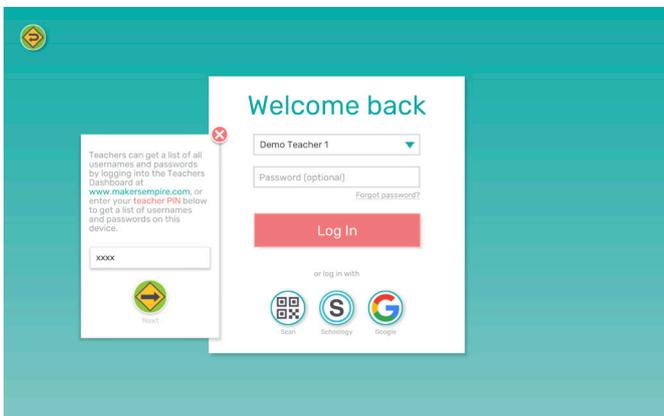
1. Open the **Makers Empire 3D** app and click the green **Log In** button.



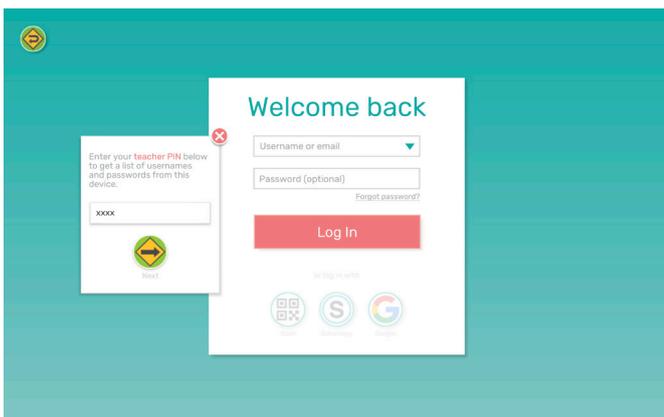
2. Enter your username and click "**Forgot password?**" below the Password field.



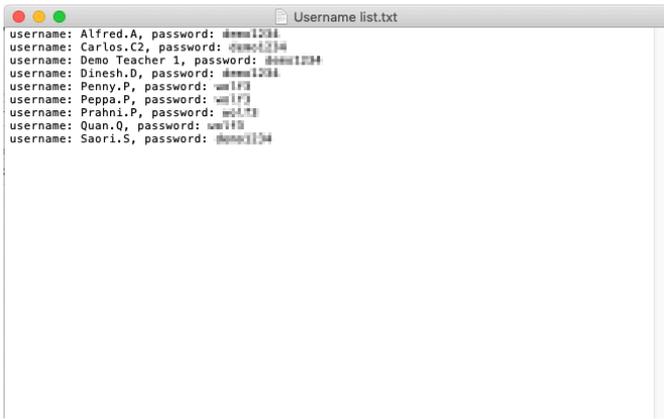
3. If the username you entered in step 2. is **not** associated with an email address on our system, you will see a pop up which explains that you can download a list of [all your class' usernames and passwords](#) via the [Teachers Dashboard](#), or you can enter your **teacher PIN** to get a list of the usernames and passwords for accounts which were **originally created on that device only**.



4. If you choose to enter your **teacher PIN**, you will then be prompted to choose a **file name** and **location** on your device where you'd like to save the list to.



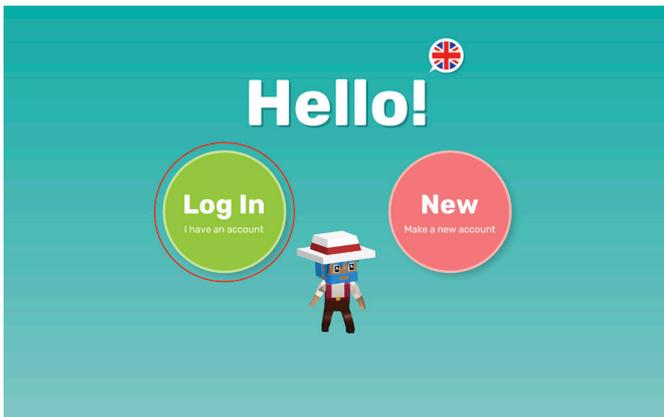
5. Your username and password list will download as a **.txt file**.



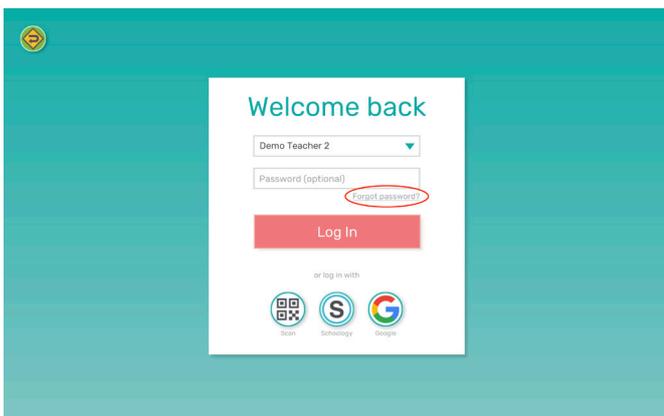
* NOTE: For security reasons, you will only be able to see usernames and passwords for accounts which were originally created on that device.

RECOVER USERNAME AND PASSWORD ONLINE, WITH AN EMAIL ADDRESS:

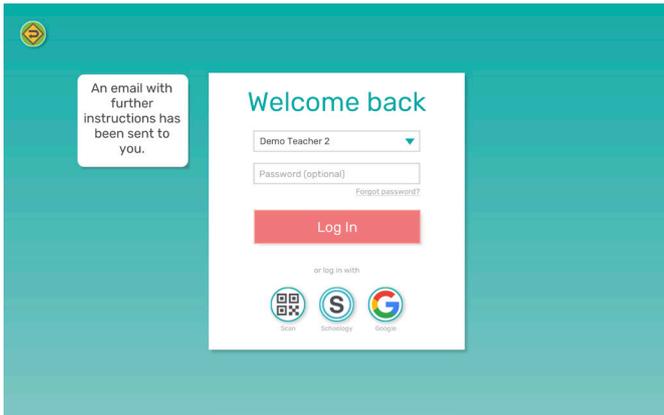
1. Open the **Makers Empire 3D** app and click the green **Log In** button.



2. Enter your username and click "**Forgot password?**" below the Password field.

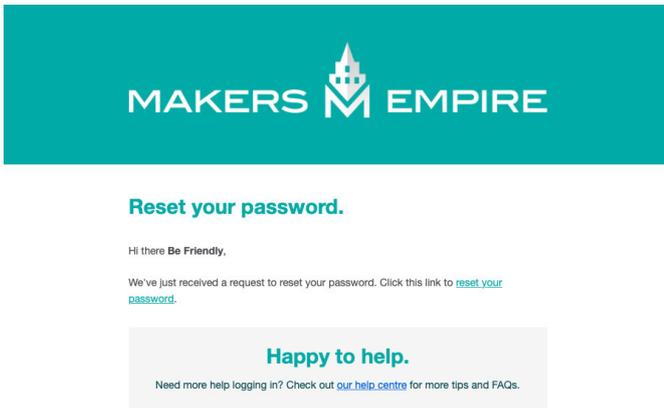


3. If the username you enter in step 2. is associated with an email address on our system, you will be notified that “An email with further instructions has been sent to you.”



* NOTE: This email can be a student’s own email address, or their teacher’s email address. Users can assign an email address in Profile tab > Settings > Account.

4. Check your inbox for an email from us, subject “Reset Your Password”, and click the **Reset Your Password** link.



5. **Enter** a new password, **repeat** the password to verify it, then click the pink **Change Password** button.

