Quick Start Guide
for Tynker Teachers

Table of Contents

Welcome! 2
  What is Tynker? 2
  How Kids Learn 2

Step 1. Set up your account 3
  For Free Accounts 3
  For Premium Accounts 3

Step 2. Add classrooms and students 4
  Adding Student Accounts 4
    Using Tynker with Google Classroom 5
    Using Tynker with Clever 5
  Adding Classrooms in Tynker 5
  Bulk importing students and classrooms 9
    Preflight Error Checking 11
  Giving Students Their Login Info 12
    Tynker SmartPass 12

Step 3: Assign lessons 13

Step 4: Monitor student progress 15

Any questions? We’re here to help! 17
Welcome!

With your Tynker educator account, you can create classrooms, add students, assign lessons, monitor student progress, and access comprehensive lesson guides.

* This document is for educators with a Tynker Teacher account. If you have a District Administrator or School Administrator account, please use the Administrator Quick Start guide.

What is Tynker?

Tynker is a creative computing platform designed to make it easy for educators without computer science experience to teach coding. Our classroom management tools, educator resources, and automatic assessment tools allow teachers to seamlessly incorporate coding with subjects such as Science, Language Arts, Math, and Social Studies.

How Kids Learn

Learning to code is personalized with Tynker’s fun, open-ended curriculum that lets students progress at their own pace by introducing multiple computing concepts at a time. Students can master concepts through interactive tutorials, critical thinking puzzles, video explanations, and DIY projects.

Tynker’s lessons engage students because they can use what they’ve learned to tell interactive stories, program animations, code games, build STEM projects, modify Minecraft worlds, control drones, micro:bits and robots, and much more. Over 60 million students worldwide have used Tynker to learn coding and make incredible projects.

Quizzes and coding challenges reinforce concepts and assess how students are doing. Students can demonstrate what they’ve learned through expansive creativity tools that give them the ability to make anything they can imagine, allowing teachers to assist students who need it most.

As an educator, you’ll need to:

1. Set up your account
2. Add classrooms and students
3. Assign lessons
4. Monitor student progress

Step 1. Set up your account

Tynker has four types of educator accounts: District Administrator, School Administrator, Teacher, and Student. Each account has different capabilities.

To get started, you’ll need to set up your Teacher account. If your school has purchased a Tynker for Schools plan, follow the instructions in the “For Premium Accounts” section to ensure that you have access to the curriculum your school purchased.

For Free Accounts

1. Go to tynker.com/school and click the JOIN FOR FREE button.

2. Create a new Teacher account, or sign in to Tynker using a Microsoft or Google account. You’ll use this method every time you log in.

   a. Tynker Login: Provide an email address and a password, then your full name. Tynker will send you a verification email; *you must verify your account before continuing.
   b. Microsoft or Gmail Account: Use your Microsoft or Gmail account to sign in. You don’t need a Tynker password to log in using this method.

For Premium Accounts

1. Look for a welcome email from Tynker. If you didn't receive it, please ask the Tynker School Administrator for your school or district to send you an email invite.

2. Sign in to your Tynker account using the method you used during signup or using the credentials sent to you by your Tynker School Administrator. You may sign in using an email, Google account, Microsoft account, or Clever login.

Step 2. Add classrooms and students

Tynker has a number of built-in classroom and student management features to make getting started easy. If your school is set up with Google Classroom or Clever, you can
use these services to automatically synchronize roster information with Tynker. If you don’t use these services, you can create a classroom manually. Once your classroom is created, you can begin adding students and assigning coursework.

Depending on how your school is set up, your Tynker School or District Administrator may prefer to create all student accounts using Clever or CSV file import. If your students already have Tynker accounts, you can skip forward to Step 3. See the Quick Start Administrator Guide for more information on the tools available to Tynker Administrators.

Adding Student Accounts

Tynker supports several methods for adding students to your classrooms. Plus, both the Tynker School Administrator and the Teacher can use their dashboards to add student accounts.

1. **Class Code**: Students add themselves using the class code you provide. Use this approach if your students already have accounts, such as school-provided Google accounts, Microsoft accounts, or Tynker accounts.

2. **Manual Import Existing Student Google and Microsoft Credentials**: Import one or more students into a single classroom by copying and pasting their existing Google or Microsoft credentials.

3. **Ad Hoc Import**: Manually create individual Tynker accounts at any time. Tynker can auto-generate these accounts as needed.

4. **Bulk Import**: Import students into multiple classrooms. Use this approach if you’re teaching multiple groups of students and already know the groupings for each class.

*You can use any combination of these methods.

The tools will work for both new and existing accounts. When you add students, the system automatically checks whether the information you enter is associated with an existing student account. Existing accounts are updated with new classroom information and don’t lose any previous class data. All other accounts are generated and added to
the classroom. That means you can use these tools again whenever a new semester begins.

Note: Don’t add your Teacher account as a student in your own classroom. You’ll be able to go through any lesson module that students have access to from your educator dashboard.

Using Tynker with Google Classroom

1. Turn off your browser’s popup blocker and sign in to Tynker using the Google Single Sign on option. You should see a pop-up from Google asking you to give Tynker permission to access your Google Classroom. Be sure to give Tynker permission or the next steps won’t work.

2. Tynker will automatically detect if you have Google Classroom. Simply select Link Google Classroom and pick the class you’d like to import to Tynker. All the students will be imported immediately. If you add or remove any students in Google Classroom, you can use the “Sync” option under the Students tab to update the roster in Tynker.

Using Tynker with Clever

If your school uses Clever, and Tynker has been enabled on your school’s Clever console, this option will let you link your Clever classrooms and sync rosters with one click.

1. The first time you sign in to your teacher account from Clever, Tynker will automatically detect if you have Clever Classroom and prompt you to link it.

2. Simply select Link Clever Classroom and pick the class you’d like to import to Tynker. All the students will be imported immediately.

Adding Classrooms in Tynker

You may create any number of virtual classrooms with your Tynker educator account.

1. Click the Create New Classroom button.
2. Select the grade level of your first class. You will be able to change the name later. Click CREATE CLASSROOM.

3. There are several ways to add students to your classroom.
a. **Google / Microsoft Credentials**: Use this option for students to log in with their existing school Microsoft or Google credentials. Students do not need to have access to the email service in order to use this option.

You simply need to paste student Google or Microsoft emails in the spaces provided. Click **FINISH** to complete adding student accounts.

Instructions for new and existing students:

1. Go to tynker.com
2. Click **Log In**
3. Click **Students**
4. Click the Google or Microsoft button based on the type of email
5. Log in with existing school or district credentials

b. **Class Code**: If all of your students already have Tynker accounts or they have a school Microsoft/Google credentials, this is the simplest way to set up your classroom.

![Class Code Image]

Students with school Microsoft or Google credentials can log in for the first time by taking the following steps:

1. Go to tynker.com/classcode
2. Enter the **CLASS CODE**
3. Click the Google or Microsoft button based on the type of email
4. Log in with existing school or district credentials

Students with existing accounts can join this class by clicking on their **Join Class** button on their **My Classes** page.

c. **Username/Password**: Use this option to create your own usernames and passwords for your students. Enter student name, login username, and password for each student. Add as many rows as you need. Click **FINISH** to complete adding student accounts.
Use the **Auto Generate Box** if you want Tynker to generate usernames and passwords for your students. Choose a prefix if you want all your student accounts to be uniform. Click **FINISH** to complete this task.

Use the **Bulk copy/paste** link if you want to import all of your students for this classroom from a spreadsheet. Click **IMPORT** to complete this task.

Instructions for new and existing students:

1. Go to tynker.com
2. Click **Log In**
3. Click **Students**
4. Log in with the given username and password in the fields provided
Bulk importing students and classrooms
This method allows you to import all of your students into their respective classrooms using a single CSV file upload. Entire classrooms can be added this way. The following types of imports are supported:

a) Import students that use Google accounts  [(Sample CSV)]
b) Import students that use Tynker accounts  [(Sample CSV)]

Here is an example CSV for multiple classrooms, using Google logins for students.

<table>
<thead>
<tr>
<th>Class</th>
<th>Login</th>
</tr>
</thead>
<tbody>
<tr>
<td>Big Bird’s Intro to Programming</td>
<td><a href="mailto:ernie5@sesamestreet.edu">ernie5@sesamestreet.edu</a></td>
</tr>
<tr>
<td>Big Bird’s Intro to Programming</td>
<td><a href="mailto:elmo1@sesamestreet.edu">elmo1@sesamestreet.edu</a></td>
</tr>
<tr>
<td>Big Bird’s Intermediate Coding</td>
<td><a href="mailto:oscar3@sesamestreet.edu">oscar3@sesamestreet.edu</a></td>
</tr>
</tbody>
</table>

To perform a bulk import, follow these steps:
1. Click on **SETTINGS** in your left navigation panel.
2. Click on the **Students** tab.
3. Click **Import Multiple** to initiate the bulk-import wizard.

4. Choose a login method for students. Note that if you select Google Accounts rather than Tynker Accounts, you’ll only have to enter student emails into the CSV file. Use the samples provided to add your students.
5. Use Google Sheets or a spreadsheet editor like Microsoft Excel to add all the students under the headers. The only fields that can be left blank are the passwords, which if you don’t fill in, will be automatically generated.

6. Download/save the file as a CSV file.

7. Upload your CSV file formatted exactly like the demo CSV file.

8. Click **IMPORT** to start the bulk import.

9. If there are any errors, you’ll be notified by the Preflight Error Checking process. See section below for more information about fixing CSV errors.

If you need help, watch the relevant section of our **Tutorial video**.

**Preflight Error Checking**

When you’re ready to import your CSV file, Tynker will perform a preflight error check just to make sure that your roster file is valid, flagging common errors such as missing fields and duplicate users. After the check is run, download the error report, fix all the issues, and re-import the CSV file.
Repeat this process until there are no more errors and then Click **IMPORT** to import all your setup data into Tynker.

If you have any trouble, reach out to us at support@tynker.com.

**Giving Students Their Login Info**

After adding your students, you can print out their login and password information by clicking **Print Student Login Cards** under the **Students** tab for each classroom. This creates a document that you can give your students.
Tynker SmartPass

Tynker SmartPass is a QR Code-based login system where students log in simply by scanning a code. All student accounts support SmartPass logins on Tynker.

Tynker SmartPass is recommended for younger learners to sign in to their Tynker accounts without any typing. Students can use the camera on their iPad or their computer webcams to scan their own SmartPass code and sign in.

To view the Smart Pass code for your students, go to the “Students” tab of any classroom. You’ll see a new column called Tynker SmartPass. Click Show next to a student’s name and a pop-up will appear. Now, you can print your student’s QR badge. Only teachers can print badges for their students.

Tynker provides a convenient way to print and manage SmartPass codes for all students with Tynker accounts.
Step 3: Assign lessons

You can assign lessons before or after adding students to your classroom. If you are a free user, you will automatically be given access to Programming 100, a beginner coding course appropriate for grades 2–4, Programming 300, our middle school starter course, and Programming 400, our high school starter course. These free courses let you see what it’s like to teach with Tynker. If you are a premium user, you’ll have access to Tynker’s full library of coding courses for all K-12 grades.

To assign a lesson:

1. Click on one of your classrooms.

2. Select the Lessons tab.

3. Browse the available lessons by clicking Assign a Course. You can also assign an individual STEM lesson by browsing our STEM library of projects by selecting Assign a STEM Lesson.
4. Select any course from the available catalog of courses and click on the **Assign Course** button to assign them to your classroom.

5. The lessons for the course that you've assigned will automatically appear in the dashboards of all the students in the classroom.

**Step 4: Monitor student progress**

The Gradebook is a convenient way to track progress metrics for individual students and the class as a whole.

To access these metrics:

1. Click on any one of your classrooms.

2. Click on the **Gradebook** tab.
3. Choose which metric you would like to see.

Lesson Progress
The lesson progress tab lets teachers spot students who are behind in their work. Empty cells identify incomplete lessons, purple cells indicate progress, and green cells indicate completed lessons.

Hour of Code
If your students have used Tynker’s Hour of Code activities, you can see their progress in the Hour of Code tab under Gradebook.

Everyone Can Code
If your students have used Space Cadet or Dragon Spells, our two courses designed for the Everyone Can Code program from Apple, you can monitor their progress here.

Quiz Results
The quiz results tab breaks down your classroom’s programming performance for a quick and easy overview of individual progress.
From this view, you can also check each student’s quiz results/ attempts. Plus, Tynker tracks high and average scores for each quiz.

**Concept Mastery**

Tynker tracks five levels of mastery for each Computer Science concept introduced in the curriculum. Tynker automatically assesses students as they complete assignments, code DIY projects, solve puzzles, and take multiple choice quizzes.

Any questions? We’re here to help!

If you have any questions, just email us at support@tynker.com.

Tips for contacting support:
1. Let us know what browser, operating system, and device you’re using.
2. If your question is about a lesson, specify which course and lesson.
3. If your question is about an account or project, specify the username and project.
4. If something’s going wrong, provide us with a screenshot if applicable.
5. If you receive an error message, tell us what the specific error message is.
6. If you have problems onboarding students or teachers, send us the CSV file.

Thank you for using Tynker!