

# Kēmu Kupu - User Manual

By Group 11

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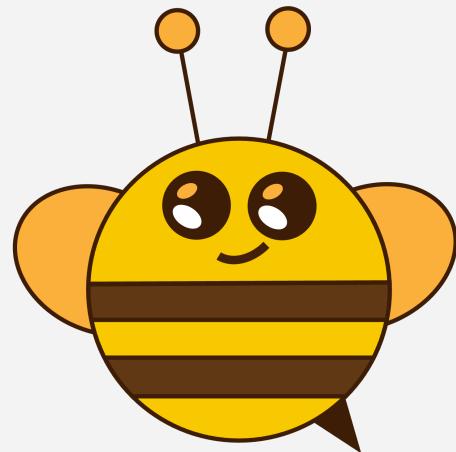
# Quick Start

Kia Ora! Welcome to Kēmu Kupu!

Thanks for downloading Kēmu Kupu. We're stoked to have you join for the ride.

Kēmu Kupu helps you improve in your te reo Māori while making it fun!

Play in practice mode or challenge yourself in game mode. Log in and upgrade your bee! Get costumes, new high scores, unlock achievements and more!



## Motivation

Kēmu Kupu provides an interface for the [tamariki of NZ](#) to upskill themselves in their te reo Māori in a [fun, gamified manner](#). It addresses a long standing deficit in kiwis being able to articulate ideas in the indigenous tongue. We hope that our application will be a drop in the bucket to seeing young kiwis, who are the future of NZ, calling our country [both NZ and Aotearoa](#).

## Getting Started

Ensure that `runQuiz.sh`, `quiz.jar` and the `words/` folder are all placed in the same directory.

Make sure that `words/` contains the following word lists:

- babies
- colours
- compassPoints
- daysOfWeek
- feelings
- monthsOfYear
- software
- uniLife
- weather
- work

Now, in your terminal, run:

```
chmod +x runQuiz.sh
```

And then run:

```
./runQuiz.sh
```

Note that you may be prompted to install dependencies if they are already not on your system. You should be presented with the menu on load.

For more information on how to use the GUI, refer to the sections below.

[Happy spelling!](#)

# The Game

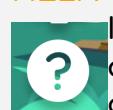
## Menu

Once you get into the app, you'll see some cool buttons!



Figure 1: Menu Screen

### HELP



If you need help at any point, look for the question mark icon for "help" or read through the other sections of this user manual. Here you can also access our attributions for media used.

### GAME SETTINGS



Learn te reo Māori in the way that fits you! Have a look at Settings below for more info (page 11).

### PROFILE



See your progress, unlock achievements, and get costumes and more by creating a free account. See more in the Profile section below (page 12).

Press **PLAY** to start!

## Game Configuration

After pressing [play](#), you'll be led to choose playing in [practice mode](#) or [game mode](#). Play game mode if you want to beat your high score, and win stars! Play practice mode if you want to focus on upskilling your skills stress-free without a timer! See more info on quiz modes below on page 9.



Figure 2: GameModeScreen

Then, select a [topic](#)! We have many to choose from to help you upskill your te reo Māori.

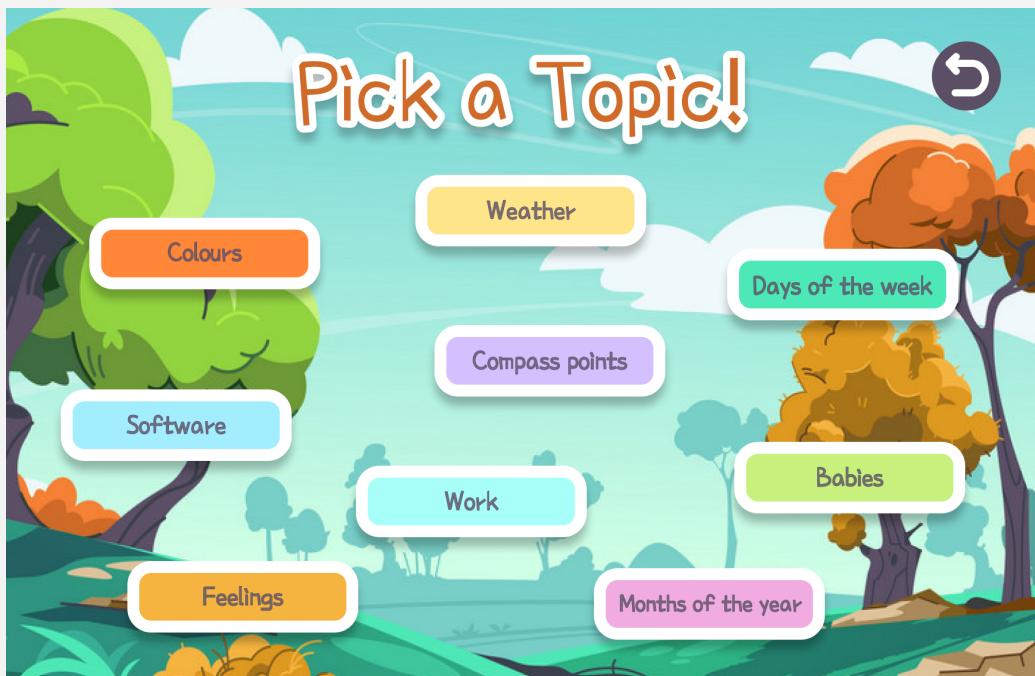


Figure 3: Topic Selection Screen

## Gameplay

Now, let's play!



Figure 4: Quiz Screen

Each game is 5 words on a certain topic and you see this information on the top left and centre of the menu-bar. There's also some options in the top right.

### HELP!



If you need help at any point, look for the question mark icon for "help" or read through the other sections of this user manual. Here you can also access our attributions for media used.

### GAME SETTINGS



Learn te reo Māori in the way that fits you! Have a look at Settings below for more info (page 11).

### PAUSE!



Want to take a break? Or, maybe switch to another topic or mode of play? Click here to navigate away or if you wanna rest those brain juices.

### HOME



Don't want to finish the quiz? Not a problem! You can jump back to the menu by pressing the home button.

[Spell the word](#) in the text field provided. You can backspace if you make a mistake too. If you need macrons, use the macron keyboard that's below the text field.

If you want to hear the word again, press **HEAR AGAIN**. If you don't know the word at all, press **DON'T KNOW**.

After spelling the word, press **SUBMIT** or hit **ENTER**. If you got it right, good job! If you got it wrong, don't worry, you get a second try. On your second try, you get some **hints** to help you as well. If you get it wrong the second time, that's alright too! We all learn from our mistakes and Kēmu Kupu can help you with that!

Press **ENTER** to continue after finishing or skipping a word, and you'll move onto the next one.

## Results



Figure 5: Results Screen

Once you've been quizzed on all five words, you'll be taken to see all your results. The words you got incorrect, will show you the correct spelling on the left, and what you put in on the right.

Hit **ENTER** to continue.

## Rewards



*Figure 6: Rewards Screen*

Here, you see your rewards!

Based on your score, you get a different number of **stars**! If you're logged in, you can use stars to **buy some costumes**! Have a look at the User Profile section for more info (page X). Note that the scoring system is different for different game modes and is described below.

You also see your game score, and your high score.

Press **Play Again** or **Menu** to play another game or return to the menu, respectively.

**Tip:** click the bee avatar to hear a custom message just for you!

## Quiz Modes

### Game Mode

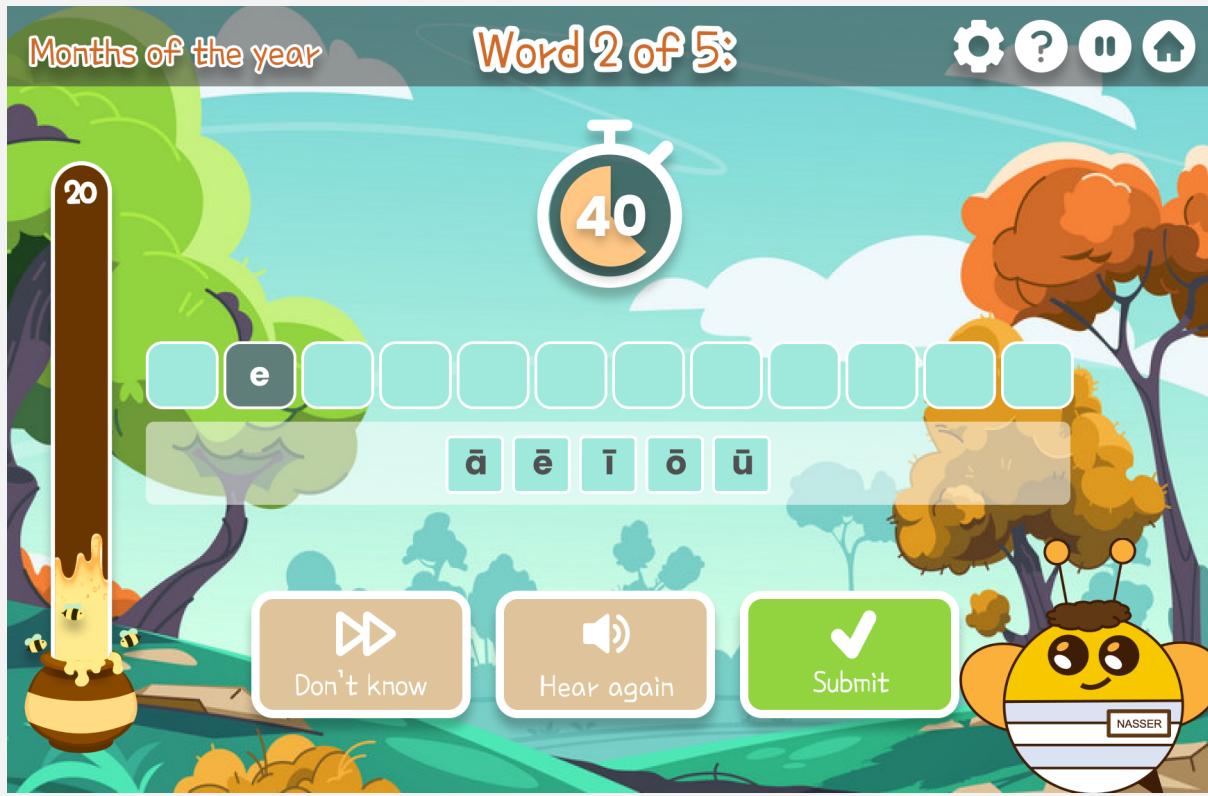


Figure 7: Quiz Screen, Game Mode

Exciting! You've opted for game mode!

Game mode has a timer that counts down as you spell the word. By the way, if it's too fast or too slow, you can change the duration in the settings (see page 11).

Based on the time you take to spell the word you get a certain number of points. You see your points in the [honey progress bar](#) on the left.

If you spell your word in:

- the first quarter of the time duration, you get [20 pts](#)
- the second quarter of the time duration, you get [15pts](#)
- the third quarter of the time duration, you get [10pts](#)
- the final quarter of the time duration, you get [5pts](#)

At the end of the game, if your score is greater than your highest score, your [high score is updated!](#) And, the number of stars you get gets added to your star balance which you can then use to [buy costumes!](#) Make sure you're signed in for this to happen. See User Profile (page 12) for more details.

## Practice Mode



Figure 8: Quiz Screen, Practice Mode

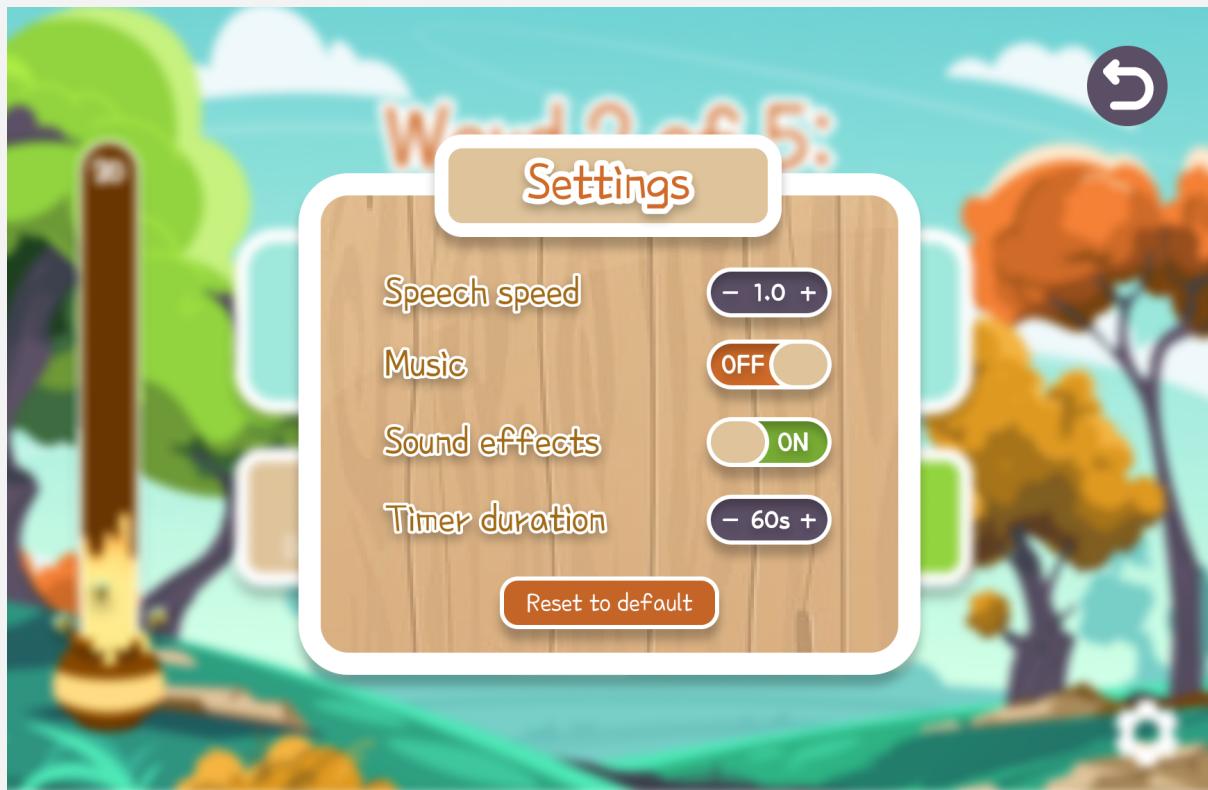
Wanting to hone your skills in practice mode? Nice, let's go!

Practice mode removes the quiz timer, allowing you to practice without the pressure!

If you spell a word correctly, you get **20 pts** regardless of the time you spent.

However, these results don't contribute to your overall star balance so make sure you are signed in and playing in Game Mode for that!

## Settings



*Figure 9: Settings Modal*

Learn te reo Māori in the way that fits you!

### SPEECH SPEED

Change the speed that you hear the word here. Make it slower or faster to suit your mode of play.

### MUSIC

Want to hone in on your skills in silence or practice your spelling in secret? You can turn off the music at any time here.

### SOUND EFFECTS

All sound effects can be turned on and off here. This includes the 'pops' of buttons and the 'dings' of the stars.

### TIMER DURATION

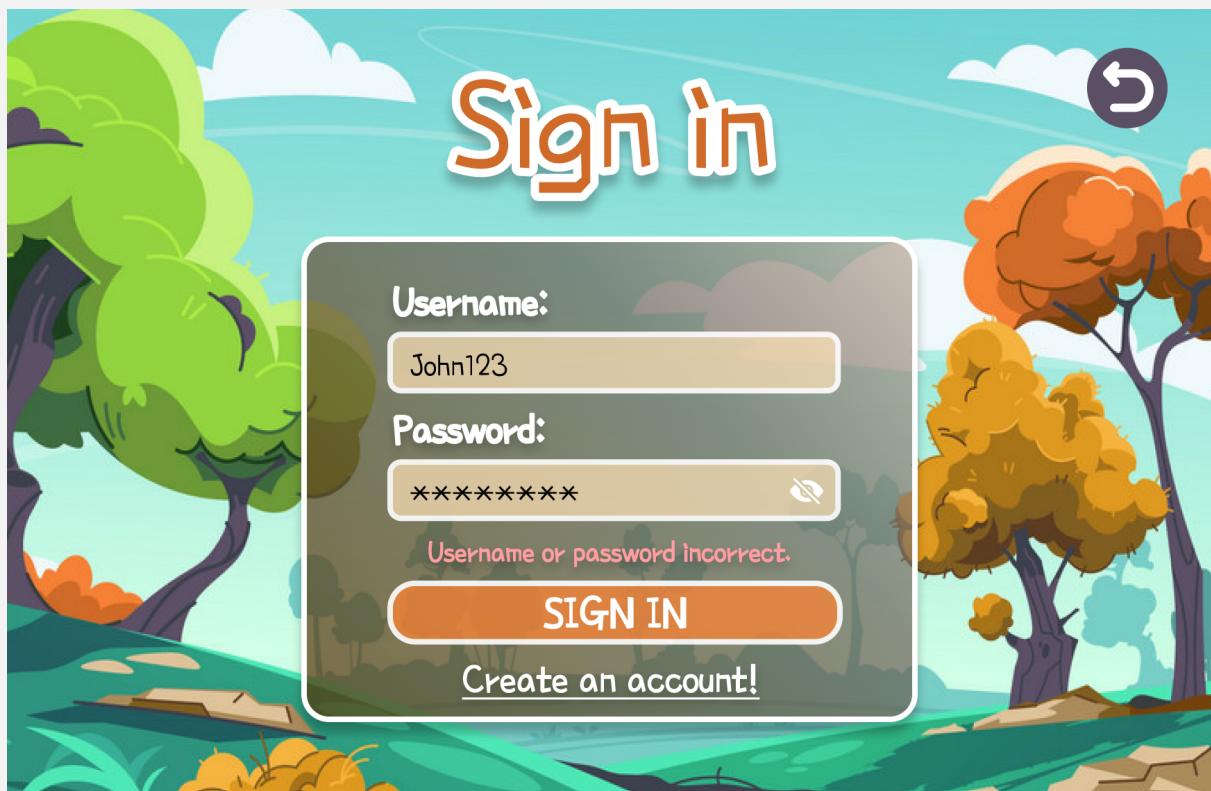
Is the quiz timer too fast or too slow? Change the timer duration here. 60s means there's a total of 60s to spell the word!

## User Profile

Make an account and track your progress as you go! Unlock achievements, get costumes, spin the wheel, and more!

To get started, [click the profile button](#) on the menu.

### Sign In



*Figure 10: Sign In Screen*

[Let's get stuck into it!](#)

If you already have an [existing account](#) you can simply enter your credentials to log-in. Otherwise, you can also click [Create an Account!](#) to navigate to the Create User screen to create yourself a new account (see page 13).

An incorrect username or password entered will prompt you with an error message - unfortunately due to legal and security reasons there is no way to reset your password, so if you have forgotten yours you will have to create a new account.

Successful login will take you to your profile screen, and you can continue playing the game to [build up this profile!](#) From now on until you click the [Sign Out](#) button, you will always remain signed in, even if you exit the application.

## Pre-Populated Profile Credentials

*Note to marker: the following pre-populated users have been added to assist with marking by enabling one to showcase different stages of user progress.*

1. First user (~500 stars)
  - Username: User1
  - Password: 123
  - Nickname: Bob Jones
2. Second user (~250 stars)
  - Username: User2
  - Password: 123
  - Nickname: Sandra Smith

## Create User



Figure 11: New User Screen

Don't have an account? We've got you sorted! Here on the [Create User screen](#), you can create a new account!

The first detail to set is your [nickname](#), which will be displayed at the top of your profile screen in the game, so it [cannot be longer than 10 characters](#). This can be any name you would like to be displayed on the profile screen.

Next, you can pick a [username](#) that will be the 'identity' of your account, and any password you would like. Unfortunately, you cannot have the same

username as an existing account - you will be prompted if this happens and asked to enter a different username. Don't forget these two details, as you will need it to log in if you ever sign out of your account.

**Tip:** Write down your username and password on a piece of paper or save it on a device in case you forget!

## Achievements



Figure 12: Achievements Screen

Welcome to the achievements page!

This is where all the possible achievements that can be unlocked are stored, as well as the ones you have already unlocked. If you reach a goal described by the achievement badge while playing the quiz game [in game mode](#) (unless specified), the achievement badge will be coloured and display a faded symbol. Otherwise, unlocked achievements remain greyed out.

There are 6 types of achievements, most with a certain number of levels (except the first and last ones):

### 1. Big Explorer

This type encourages you to [play the different modes](#) (Practice and Game) available, as well as playing all the different topics in Game mode. You can

unlock these achievements by getting to the reward screen of each game type mentioned!

## 2. *Diligent Student*

We all know practice makes progress! This one encourages you to [keep playing more and more](#), so that your Te Reo Māori can get better and better! There are 5 levels for this type:

- Play 5 games
- Play 10 games
- Play 20 games
- Play 50 games
- Play 100 games

Reach the number of games played required to unlock each achievement level.

## 3. *High Achiever*

Shoot for the moon, even if you miss you'll land among stars! This type encourages you to [get high scores](#) in the quiz games you play as you keep learning more and becoming more confident. There are 3 levels for this type:

- Get a score of 75
- Get a score of 90
- Get a score of 100

When you hit any high score above 75 in the game mode, all achievements that require a score below that score will also be unlocked. Bargain right?

## 4. *Speedy Speller*

This type encourages you to [get a perfect score, but ALSO fast](#). There are 3 levels for this type:

- Score 100 on a 40s timer
- Score 100 on a 30s timer
- Score 100 on a 15s timer

You will need to get a perfect 100 score for the quiz, while having the quiz timer set to the maximum time specified.

**Tip:** Unlock these achievements by changing the timer duration in settings!

## 5. *Deep Pockets*

Stars, stars, stars! Must be funny, in the rich man's world! This type is all about [saving up and reaching for the stars](#) ;) There are 5 levels:

- Reach 10 stars total
- Reach 50 stars total

- Reach 100 stars total
- Reach 200 stars total
- Reach 300 stars total

You can earn stars throughout the game by the rewards from the Game mode, as well as [Spin to Win!](#) See the Spin To Win section for more info (page 20). Reach the number of stars required to unlock the level! If you reach a number of stars that includes multiple level requirements, all levels will be unlocked. And don't worry, if you spend your stars, your achievements will stay. Go on, get earning!

#### *6. Stylish Bee*

This is the final type and only has one level - [purchase all the costumes](#) available in the shop to unlock this achievement! See the Costume Shop section for more info (page 16).

#### Costume Shop



Figure 13: Costume Shop Screen

Learning is important, but there's [no harm in having a bit of style while you do it!](#) Welcome to the costume shop - here you can pick out different costumes for your avatar, or try and buy new ones that you don't own yet!

When you select a costume from the right panel of this screen, your user avatar will try it on in the left panel. If you already own this avatar, it will be

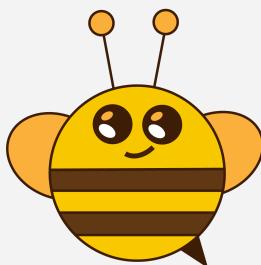
[automatically saved as your current user avatar](#). You can change this as many times as you would like!

If you don't already own this avatar, you will be shown the avatar's star price. You must have enough stars to purchase it, otherwise there will be no [Buy](#) button available. If you do have enough stars, you have the option to click the orange [Buy](#) button to get this avatar, and it will be automatically saved as your current user avatar. The avatar will be yours forever, and your star count will decrease by the number of stars it costs you. [Congratulations on your purchase!](#)

There are [10 costumes available](#) to choose from:

### B

This is your default bee that every user will begin with. It's free!



B, just your average bee with an aptitude for learning

### Wizard Bee

cost: 5 stars



Not only does he excel at casting spells but he's pretty great at spelling as well!

### Sailor Bee

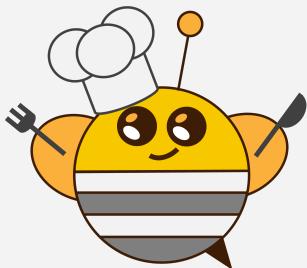
cost: 5 stars



Arrrrgh matey. Taking a break from blundering the high seas to brush up on his Te Reo.

*Chef Bee*

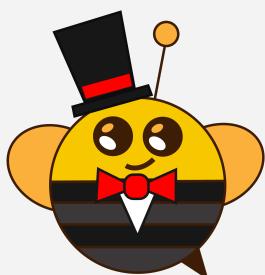
cost: 20 stars



Do I hear 'Yes Chef?' You betcha. Ready to come and cook up a storm!

*Magician Bee*

cost: 30 stars



One. Two. Three. And he's gone! Somehow Magician Bee's never at class but he manages to do well. #sus

*Queen Bee*

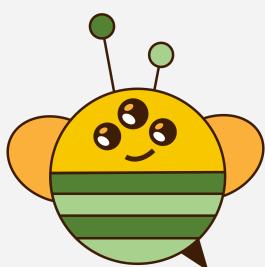
cost: 30 stars



I'm the Queen Bee, a quizzer fit for royalty.

*Alien Bee*

cost: 50 stars



Wow. Human life is so interesting. What a marvelous language. Let's learn!"

*Fairy Bee*

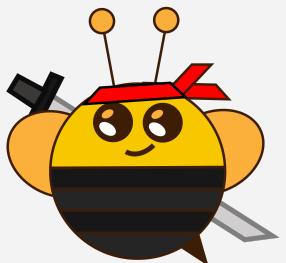
cost: 80 stars



Hiya. Fairy bee here and I'll add a little sparkle to your spelling endeavours.

*Ninja Bee*

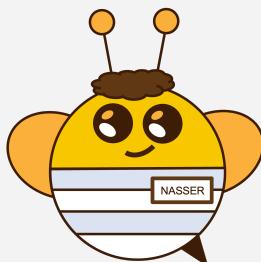
cost: 100 stars



Hiiyah! Ninja Bee here! Back at it with action. Let's go kick these spelling baddies goodbye!

*Professor Bee*

the most special costume, but it will cost you 200 stars!



Attention class! I'll give you all you need to know to pass this course

## Spin To Win



Figure 14: Spin To Win!

Want some stars in your star balance fast? We've got the thing for you!

Go to the spin-the-wheel screen by tapping the spinning wheel icon from the Profile Screen.

Then, press **SPIN** to spin the wheel. Then, watch as your star count increases!

There's a two minute timer so come back later to get some more stars!

*Note to marker: in reality a longer time will be used (e.g. 20 minutes) but to ensure that markers are able to see the full functionality, the time was reduced to 2 minutes.*

# Attributions

## Images

- Background image: by SpicyTruffel of vectorstock.com under a Standard License
- Honey pot image: by Bookowner of imgbin.com
- Dripping honey image: from clipartmax.com
- Icons: from Iconify Figma plug-in
- All other designs: created using figma.com

## Audio

- 'Correct' sound: by Bertrof of Freesound.org
- 'Pop' sound: by InspectorJ ([www.jshow.co.uk](http://www.jshow.co.uk)) of Freesound.org
- All other music was procured with free use.