Bee-Bot App Guide

Welcome to the Bee-Bot App Guide. This guide will provide you with information about the benefits of using the Bee-Bot App, how the app has been designed and how to navigate it effectively.

Benefits of the Bee-Bot App

The free downloadable Bee-Bot App is an excellent introduction for children to understand the controls of the Bee-Bot robot, before they begin programming it directly. The app replicates the robot's controls, allowing young learners to engage with coding concepts in a fun and interactive way.

If children have prior experience with programming Bee-Bot robots, playing some of the more advanced games on the app is an effective way to enhance their programming skills. These skills can then be applied by moving children onto programming Bee-Bot to navigate obstacle courses or follow multi-step routes on a Bee-Bot map.
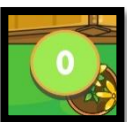
How to Play Button

Clicking the How to Play button will tell you how to play the games on the App. There is also a control guide which is useful if you are unfamiliar with the controls on the Bee-Bot robot.

Settings

In **Settings**, you have the following options:

Level Reset – selecting this option and pressing **Reset** will delete all previous progress and reset all levels. This feature is especially useful for multi-user scenarios.

Sequence Helper – selecting this option will enable you to toggle the **Move Counter** on or off. The Move Counter appears as a green circle, located in the bottom left-hand corner of each game level. It shows how many moves have been inputted into Bee-Bot's memory.

About – selecting this option tells you what the app is for.

Home Icon

Press the Home icon to get back to the home page of the app. If you are exiting a level on one of the games, pressing the Home icon once will take you back to the Levels option page for that game. To return to the main home page of the app from there, press the Home icon again.

The Games

There are eight different games to choose from on varying themes. Each game consists of six levels which offer progression and challenge for the player. The games are as follows:
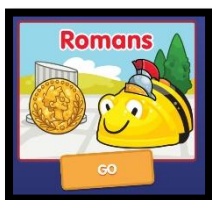
Garden Game

For complete novices, the **Garden game** is the best starting point, as each level only requires a small number of commands to be programmed. Therefore, it is a great introduction for helping children become familiar with the controls and programming logic.

The **aim of the game** is to program Bee-Bot to move and pollinate a flower located in a garden. Once the flower has been pollinated, the game will automatically move to the next level. As the game progresses, the number of moves the Bee-Bot needs to make to pollinate the flower increases.

Romans Game

The **Romans game** is a good game to start on, if children have already had some programming experience using a Bee-Bot. In terms of progression, it is also the best game to move on to, once children have mastered the Garden game.

The **aim of the game** is to collect Roman coins. Once the coin or coins have been collected, the game will automatically move to the next level. As the game progresses, both the number of coins to collect and the complexity of the routes that Bee-Bot must navigate increases.

Egyptians Game

The **Egyptians game** is best suited for children who have already had some programming experience using a Bee-Bot. For beginners, we recommend playing the **Garden game**, followed by the **Romans game**, first so children can familiarise themselves with the controls and programming logic.

The **aim of the game** is to collect a treasure chest. Once the treasure chest has been collected, the game will automatically move to the next level. As the game progresses, a key must be collected to access the treasure chest, while navigating increasingly complex routes. Players also need to watch out for the mummy!

Winter Wonderland Game

The **Winter Wonderland game** is best suited for children who have experience of programming a Bee-Bot to perform multiple commands or have mastered the **Egyptians game**.

The **aim of the game** is to collect the hot chocolates while avoiding wintery themed obstacles. Once collecting all the hot chocolates, players must navigate the Bee-Bot to the finish line. The game will then automatically move to the next level. As the game progresses, the number of obstacles and the complexity of the routes increase. Players will also need to collect cheese fondues, as well as hot chocolates.

Space Game

The **Space game** is best suited for children who have experience of programming a Bee-Bot to perform multiple commands or have mastered the **Egyptians game**.

The **aim of the game** is to collect all the nebulas and then navigate Bee-Bot to the rocket. Once all the nebulas have been collected and the rocket reached, the game will automatically move to the next level. As the game progresses, players must avoid the meteoroids and space debris, while navigating increasingly more complex routes.

Dinosaur Game

The **Dinosaur game** is best suited for children who have experience of programming a Bee-Bot to perform multiple commands or have mastered the **Egyptians game**.

The **aim of the game** is to collect all the dinosaur eggs and return them to the nest. Once all the eggs have been collected and returned to the nest, the game will automatically move to the next level. As the game progresses, players must avoid prehistoric themed obstacles and flying insects, while navigating increasingly complex routes.

The Eco Game

The **Eco game** is one of the most advanced games available on the app and requires strong programming skills. It is best suited for children who are confident in programming Bee-Bot to navigate complex routes. In terms of progression, this game is a good one to move on to for players who have mastered the **Winter Wonderland, Space** or **Dinosaur game**.

The **aim of the game** is to collect all plastic bottles and take them to the recycling bin. A key must also be collected to access part of the route. Once all bottles have been collected and the recycling bin reached, the game will automatically move to the next level. As the game progresses, players must also avoid beach themed objects and a wandering seagull.

The Birthday Game

The **Birthday game** is the most advanced game available on the app and requires strong programming skills. It is best suited for children who are confident in programming Bee-Bot to navigate complex routes. In terms of progression, this game is a good one to move on to when players have had experience of playing the other games on the app and have mastered the **Eco game**.

The **aim of the game** is to collect all the slices of cake and then reach the birthday present. Pins must also be collected to pop balloons, which allows access to another part of the route. As the game progresses, players must also avoid dirty party plates and moving ants. Players will also encounter more pins to collect and additional balloons to pop.