



Let's get Coding!

Learn all about the fun ways to play with Augie! This app has five different modes of play:

- Freeplay
- Design
- Coding Classroom
- Coding Control Center
- AR Adventures

Freeplay

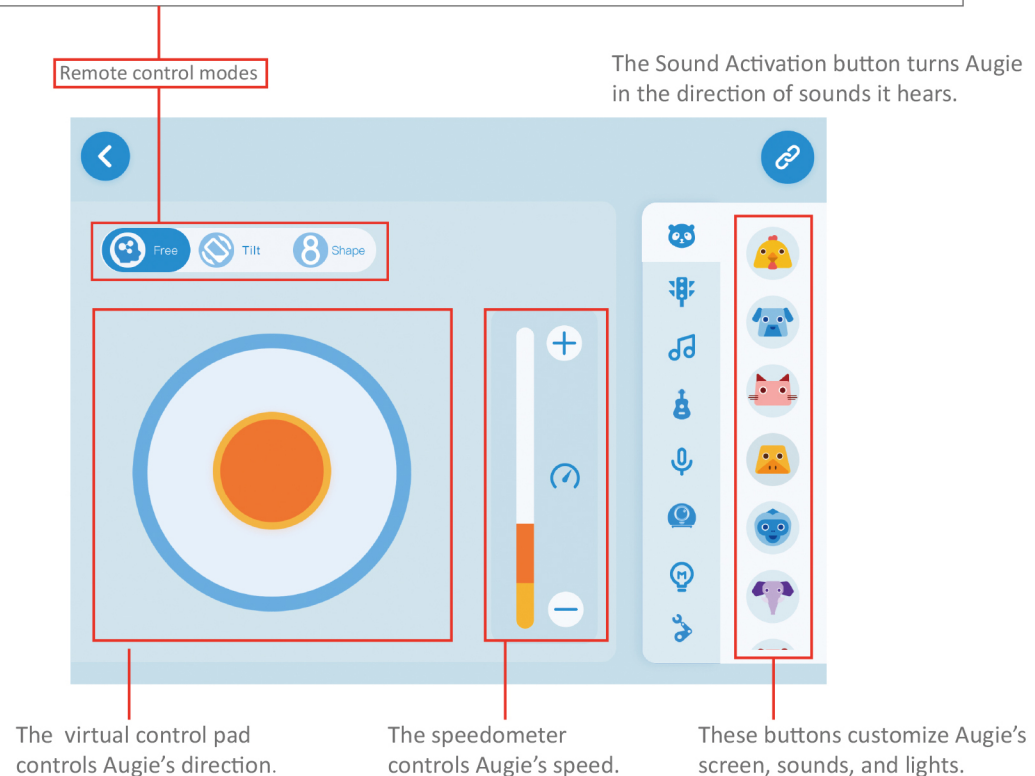
Control Augie using the virtual control pad and customization buttons.

Select a mode to control Augie's movements:

Remote Control: Move and drag your finger around the virtual control pad to make Augie move and rotate.

Tilt: Tilting your device left and right will control Augie's movements.

Shape: Select a shape and Augie will automatically move in that formation.



Design Mode

Map out Augie's path and design the journey you want Augie to take, then hit play and watch Augie go!

1. Place your finger on Augie then drag it to design Augie's route.
2. To customize Augie's route use the icons at the bottom of the screen. Drag the selected icon to the desired point on Augie's route, then select your desired effect from the pop-up menu.
3. When you're finished, tap the Augie on the screen and watch your design come to life!

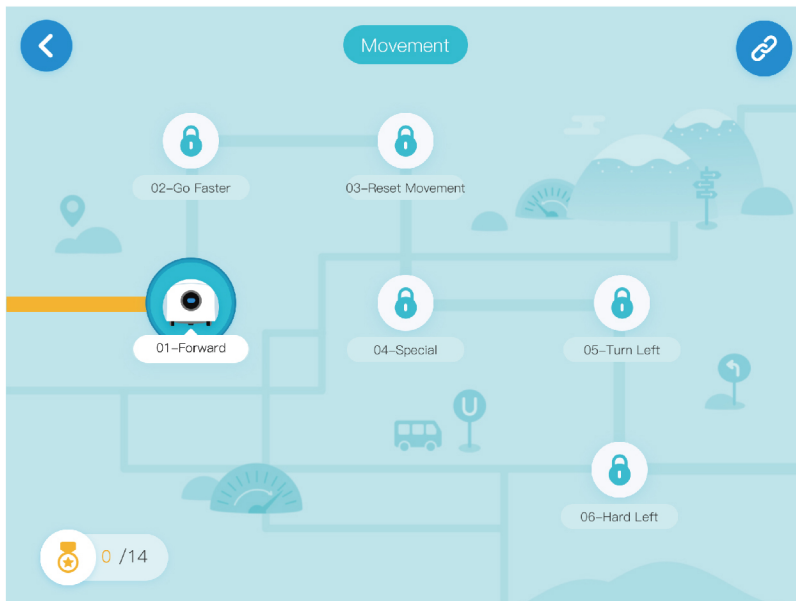


Coding Class

Learn to code with Augie! Follow the path through Augie's world to learn all about programming. Each level will teach a new programming objective with easy-to-follow animations and tutorials. The more you play, the more levels are unlocked!

1. Select the level (starting with Level 1).
2. Watch the animation tutorial depicting the programming task.
3. Link the commands on the screen to complete the objective.
4. Hit play and watch Augie execute your program.

You will be a coding master in no time!



Coding Control Center

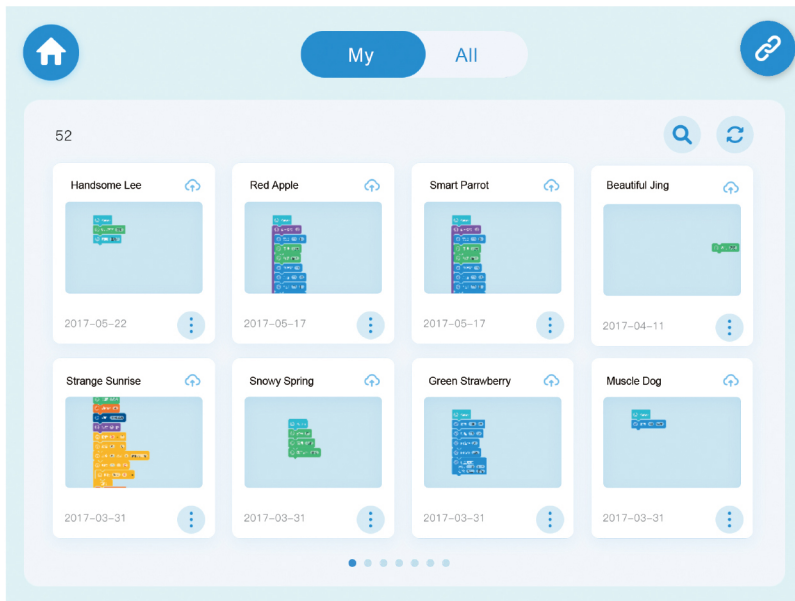
Link the programming commands on the left side of the screen to create your own code.

1. Select the command type from the list on the left.
2. A pop-up menu will appear with options to modify the command.
3. Select the command by dragging it onto the screen. Link it to the other commands.
4. Click on the properties of any command to customize the code.
5. When finished, press play to watch your Augie go!
6. To remove a command from the code, drag it to the garbage can on the lower right corner of the screen.

The screenshot shows the Coding Control Center interface. On the left is a 'Command List' with categories: Start, Move, Display, Sound, Actions, Control, Variables, and Accessory. A red box highlights the 'Move' category, labeled with a circled '1'. Below the list is a green 'Play Button' labeled with a circled '5'. On the right is the workspace where code blocks are assembled. A red box highlights the 'Forward 20 Fast' block in the workspace, labeled with a circled '2'. Another red box highlights the 'Forward 20 Fast' block in the workspace, labeled with a circled '4'. A red box highlights the 'PaiGo' block in the workspace, labeled with a circled '3'. At the bottom right is a 'Garbage can' icon labeled with a circled '6'.

*Click the command you wish to remove and drag it to the Garbage Can to delete.

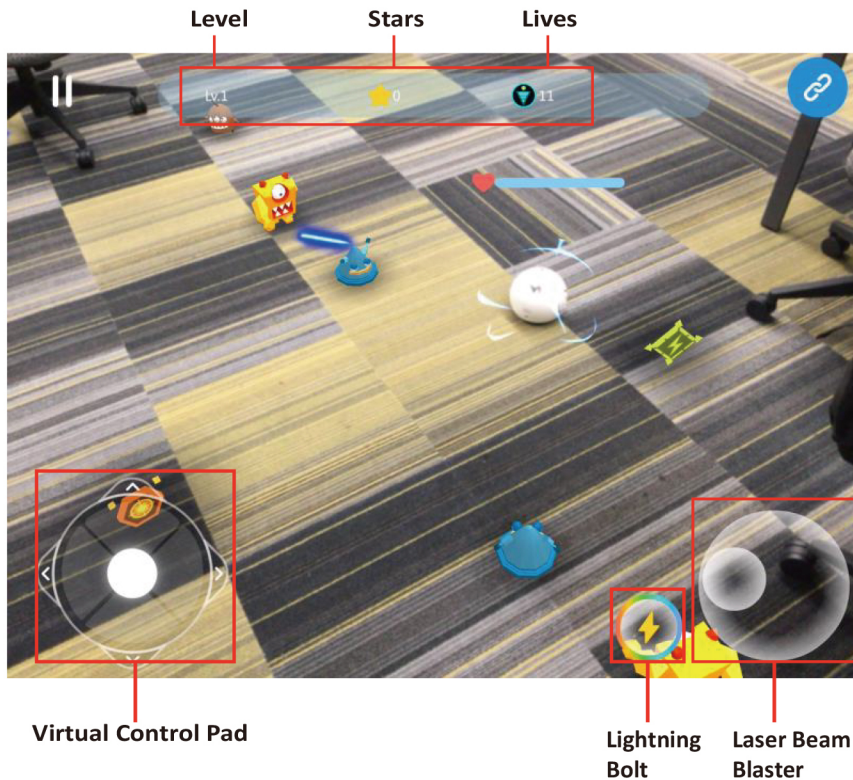
Upon exiting, you will be prompted to save your program. Once saved you can always access your codes again in the gallery labeled “My”.



AR Adventures




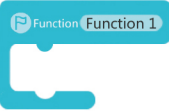
Put your coding knowledge to the test with Augmented Reality! Augie and the virtual world come together through a series of missions and adventures!

1. Use the Virtual Control Pad on the bottom left to control Augie's movements
2. Use the Laser Beam Blaster to help Augie deploy laser beams.
3. Use the Lightning Bolt to release a special effect that will blast everything on the screen.









Programming community—Freestyle mode



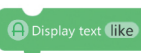
Use the programming knowledge you learned to write a sequence. You can look at sequences you've already saved and uploaded.

Starting to execute commands		
	<p>The starting command. All remaining non-starting commands must be linked to this command to have permission to execute. relevant commands. Augie will follow the route and commands.</p>	
	<p>The starting command. All remaining non-starting commands must be linked to this command to have permission to execute. The conditions are categorized by the following situations.</p>	<p>Ways to carry out conditions:</p> <ol style="list-style-type: none">1. Virtual button type: After running the sequence, press the appropriate button on the screen to start the conditions.2. Obstacle test: Select a distance to send out a laser. If there is an obstacle within a set distance when the sequence is running, the conditions are carried out.3. Voice conditions: Use your voice or use the keyboard to input text to recognize. When the sequence is running, press the appropriate buttons and enter your voice. When your voice matches the text you entered, the conditions are carried out.
	<p>You can select parameters that are currently in the programming area.</p>	<p>Using "parameter" pairing commands. When running the sequence, run this command. It can adjust the commands inside "parameter settings."</p>
	<p>The starting command. All remaining non-starting commands must be linked to this command to have permission to execute.</p>	<p>Use "adjusting parameter" commands. You can nest commands inside of them. When running the sequence, use the "adjust parameter" command to adjust the command inside.</p>

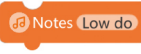
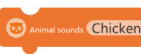



Steering commands

	<p>You can set the forward distance and speed.</p>	<ol style="list-style-type: none"> 1. Distance: 20 cm per unit, 5 units total 2. Speed: Slow, Average, Fast, 3 units total
	<p>You can set the reverse distance and speed.</p>	<ol style="list-style-type: none"> 1. Distance: 20 cm/units, 5 units total 2. Speed: Slow, Average, Fast, 3 units total
	<p>Make Augie rotate left.</p>	<p>You can set the angle of rotation. Default is 90°</p>
	<p>Make Augie rotate right.</p>	<p>You can set the angle of rotation (15° per square, total 24 squares for 360°). Default is 90°</p>
	<p>Change the movement, direction, and speed of Augie's left and right wheels.</p>	<p>Forward (set the two wheels at the same forward speed), reverse (set the two wheels at the same reverse speed), rotate left (set the left wheel forward, the right wheel back), rotate right (set the left wheel back, the right wheel forward)</p>
	<p>Stop Augie's two wheels</p>	<p>No effect if used alone. Must be used with the speed setting command.</p>


Display commands

	<p>Stop Augie's two wheels</p>	<p>No effect if used alone. Must be used with the speed setting command.</p>
	<p>Choose a facial expression to display on Augie</p>	<p>Select an expression to display (it will play the corresponding sound)</p>
	<p>You can edit the content of the text and display it on Augie's screen.</p>	<p>Select size and color of the font. There are limits on the size of the letters and numbers displayed.</p>


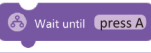


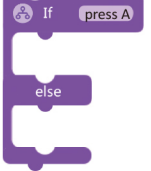
Sound commands

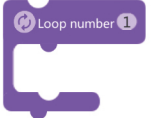
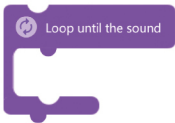
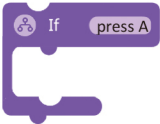
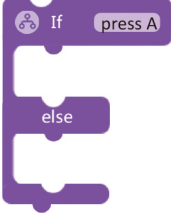
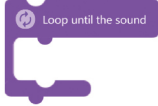
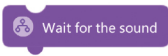
	<p>Select the notes Augie will play.</p>	<p>Total of 21 high, middle, and low notes to choose from.</p>
	<p>Select an animal noise for Augie to play.</p>	<p>Select an animal noise.</p>
	<p>Select a traffic noise for Augie to play.</p>	<p>Select a traffic noise</p>
	<p>Select a set recording to play.</p>	<p>Select record to record.</p>
	<p>Select a musical instrument sound for Augie to play.</p>	<p>Select a musical instrument.</p>

Action commands







	<p>After you select an action, Augie will automatically move according to the action.</p>	<p>Select an action</p>
---	---	-------------------------

Control commands

	<p>Stop Augie's two wheels</p>	<p>No effect if used alone. Must be used with the speed setting command.</p>
	<p>Make Augie wait until conditions are met.</p>	<p>Ways to carry out conditions:</p> <ol style="list-style-type: none"> 1. Virtual buttons: After running the sequence, press the corresponding buttons on the screen to carry out the conditions. 2. Front-end laser test: Select laser start off distance. If there are obstacles within a set distance while the sequence is running, conditions will be carried out. 3. Voice conditions: Language or text that needs to be recognized. After the sequence is run, press the corresponding buttons on the screen. Enter your voice. When your voice matches the text you entered, conditions will be carried out.
	<p>Augie will executed the other nested loop command until conditions are met.</p>	
	<p>Augie will execute the other command inside the nested command according to the number of repetitions set.</p>	<p>Carrying out conditions when Augie hears a sound: Augie will carry out conditions after it hears a sound.</p>
	<p>When the conditions are met or not met, Augie will execute the appropriate nested command.</p>	

 <p>Loop number 1</p>	<p>Augie will execute the other command inside the nested command according to the number of repetitions set.</p>	<p>Repetitions: 1 to 20</p>
 <p>Loop until the sound</p>	<p>Loop command. After nesting another command inside, it will continuously execute.</p>	<p>Continuous loop</p>
 <p>If press A</p>	<p>When conditions are met, Augie will execute the nested command.</p>	<p>Ways to carry out conditions:</p> <ol style="list-style-type: none"> 1. Virtual buttons: After running the sequence, press the corresponding buttons on the screen to carry out conditions. 2. Front-end laser test: Select laser start off distance. If there are obstacles within a set distance while the sequence is running, conditions will be carried out. 3. Voice conditions: Language or text that needs to be recognized. After the sequence is run, press the corresponding buttons on the screen. Enter your voice. When your voice matches the text you entered, conditions will be carried out.
 <p>If press A else</p>	<p>When the conditions are met or not met, Augie will execute the appropriate nested command.</p>	
 <p>Loop until the sound</p>	<p>Augie will loop until it hears a sound.</p>	<p>Carrying out conditions when Augie hears a sound: Augie will carry out conditions after it hears a sound.</p>
 <p>Wait for the sound</p>	<p>Augie will start when it hears a sound.</p>	

Variable commands

	<p>Set the data values, random values, variables, etc.</p>	<p>Set the data values, random values, variables, etc.</p>
	<p>Change variables through addition, subtraction, multiplication, and division.</p>	<p>Addition, subtraction, multiplication, division. Five substituting characters, data, random numbers</p>
	<p>Compare variables. Augie will execute the nested command after comparing results.</p>	<p>Five substituting character, data, random numbers.</p>
	<p>Comparing variables. Make Augie execute the nested commands according to the comparison results.</p>	<p>Five substituting characters, data, random numbers.</p>
	<p>Forward and backward distance, right and left wheel distance, degree of rotation</p>	<p>Set up the variables that will take place during execution of the program.</p>
	<p>Loop when the variable is "n"</p>	<p>Comparing variables. Augie executes the nested command until the voice command meets the conditions of the comparison results. When your voice matches the text you entered, conditions will be carried out.</p>

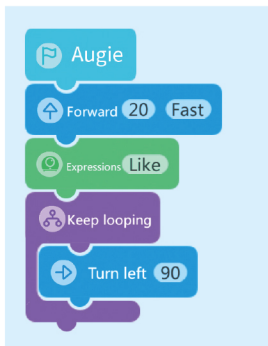
Description of Augie functions

After your child completes the programming tasks on the app, they can check if the program is acceptable by having Augie test and execute the program.

When Augie is executing the tasks, there are two main functions: 1. 2-D movement (e.g., go straight, turn, etc.); 2. Light, facial expressions, sounds, and text display. The following are examples of these features:

1 Augie movement (using a square as an example):

Make Augie move in the shape of a rectangle on the floor. You can pair it with pen and paper or other materials to make Augie draw a square.



Example of app command sequence: Augie will go forward 20 cm at standard speed, then turn left 90 degrees. Repeat these two actions in a loop to make Augie walk a square path.

2 Augie personality display:

Augie uses its cool lights, a variety of expressions, and various sounds to show its personality.

Example of app command sequence: Augie's lights are set to flash, then it will



make a happy expression. Next, it will play the note “mi,” and display the text “Hello, Augie.” Last, it will make an elephant sound (animal sound), followed by a helicopter sound (traffic sound). It will repeat these actions five times.