Animate a Name Cards



Animate the letters of your name, initials, or favorite word.

scratch.mit.edu



Set of 7 cards

Animate a Name Cards

Try these cards in any order:

- Color Clicker
- Spin
- Play a Sound
- Dancing Letter
- Change Size
- Press a Key
- Glide Around

scratch.mit.edu



Set of 7 cards

Color Clicker

Make a letter change color when you click it.







Animate a Name



Color Clicker



GET READY



Choose a letter from the Sprite Library.









To see just the letter sprites, click the **Letters** category at the top of the Sprite Library.

ADD THIS CODE



TRY IT

Click your letter.





Make a letter turn when you click it.



Animate a Name







GET READY





Go to the Sprite Library.





Choose a letter sprite.

ADD THIS CODE



TRY IT

Click your letter.



TIP

Click this block to reset the sprite's direction.



Play a Sound

Click a letter to play a sound.





Animate a Name



Play a Sound

GET READY



Go to the Sprite Library.



Click the **Letters** category.



Choose a letter sprite.



Choose a backdrop.





Click the **Sounds** tab.



Choose a sound.

ADD THIS CODE



Click the Code tab.





Dancing Letter

Make a letter move to the beat.



Animate a Name



Dancing Letter

GET READY



Choose a backdrop.





Choose a letter from the Sprite Library.

SC E



Click the **Extensions** button (at the bottom left).

Then click **Music** to add the music blocks.

Music Play instruments and drun

ADD THIS CODE





Change Size

Make a letter get bigger and then smaller.

Ę	
E	
E	

Animate a Name





GET READY



Go to the Sprite Library.







Choose a letter sprite.

ADD THIS CODE





TIP

Click this block to reset the size.



Press a Key

Press a key to make your letter change.









Animate a Name





GET READY









ADD THIS CODE



Glide Around

Make a letter glide smoothly from place to place.



Animate a Name



7

Glide Around scratch.mit.edu

GET READY









ADD THIS CODE







Click your letter to start.

G. ↔ x 40 \$ y -130

TIP

When you move a sprite, you can see the numbers for **x** and **y** update.

x is the position from left to right.y is the position up and down.

Imagine a World



Imagine a world where anything is possible!

scratch.mit.edu



Set of 9 cards

Imagine a World Cards

Try these cards in any order:

- Say Something
- Fly Around
- Go Right and Left
- Go Up and Down
- Change Costumes
- Glide from Here to There
- Grow and Shrink
- Change Backdrops
- Add a Sound

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SCRATCH

Set of 9 cards

Say Something

Type what you want your sprite to say.



Imagine a World





scratch.mit.edu



GET READY



Select the sprite you want to talk.

ADD THIS CODE



TRY IT

Click the green flag to start.



Fly Around

Press the space key to glide.





Imagine a World





scratch.mit.edu



GET READY



Choose a sprite.







ADD THIS CODE



TRY IT



Press the space key to glide.

Go Right and Left

Press arrow keys to move right and left.





Imagine a World

+



Go Right and Left

scratch.mit.edu

GET READY



Choose a sprite.







ADD THIS CODE

Change x to move your character *side to side*.





TRY IT

Press the right and left arrow keys on your keyboard.

Go Up and Down

Press arrow keys to move up and down.



Imagine a World



Go Up and Down

scratch.mit.edu



GET READY



Choose a sprite.







ADD THIS CODE

Change y to move your character up and down.



TRY IT



Press the up and down arrow keys on your keyboard.

Change Costumes

Animate a sprite when you click it.





Imagine a World



Change Costumes

scratch.mit.edu

GET READY



Choose a sprite.







ADD THIS CODE





TRY IT



Click your sprite.

Glide From Here to There

Make a sprite glide from one point to another.





Imagine a World



Glide From Here to There

scratch.mit.edu

GET READY



ADD THIS CODE



TRY IT

Click the green flag to start.





When you move a sprite, you can see the numbers for x and y update.

x is the position from left to right. y is the position up and down.



Grow and Shrink

Make a sprite change size when you click it.



口))





Grow and Shrink

scratch.mit.edu

GET READY



Choose a backdrop.







ADD THIS CODE





TRY IT



Click your sprite.

Change Backdrops

Change scenes by switching backdrops.





Imagine a World





scratch.mit.edu

GET READY



ADD THIS CODE



TRY IT

Click the green flag to start.



Add a Sound

Add your voice or other sounds to your project.



Imagine a World



Add a Sound

scratch.mit.edu



GET READY





ADD THIS CODE


Chase Game Cards



Make a game where you chase a character to score points.

scratch.mit.edu



Set of 7 cards

Chase Game Cards

- Use these cards in this order:
- 1. Move Left and Right
- 2. Move Up and Down
- 3. Chase a Star
- 4. Play a Sound
- 5. Add a Score
- 6. Level Up!
- 7. Victory Message

scratch.mit.edu

SCRATCH

Set of 7 cards

Move Left and Right

Press arrow keys to move left and right.



Chase Game



Move Left and Right

scratch.mit.edu

GET READV



Choose a backdrop.









TRY IT

Press the arrow keys.



TIP

x is the position on the Stage from left to right.

Type a negative number to move to the left.





Type a positive number to move to the right.



Move Up and Down

Press arrow keys to move up and down.



Chase Game



Move Up and Down

scratch.mit.edu

GET READY



Click your character to select it.

ADD THIS CODE



TRY IT Press the arrow keys.

TIP

y is the position on the Stage from top to bottom.



Type a positive number to move up.

Type a negative number to move down.

Chase a Star

Add a sprite to chase.





Chase Game





GET READY





ADD THIS CODE



Play a Sound

Play a sound when your character touches the star.





口))

Chase Game





GET READY



TRY IT

Click the green flag to start.



Add a Score

Score points when you touch the star.





Chase Game



Add a Score

scratch.mit.edu

GET READY



Net	e Variable	
New Variable na	min	
Score		-
For all sprites	For this sprite	e centy
Burg	Octore -	
		-

Name this variable **Score** and then click **OK**.



TIP



Use the set variable block to reset the score to zero.

Use the **change variable** block to increase the score.

Level Up!

Go to the next level.





Chase Game



6



GET READY

ADD THIS CODE



Choose a second backdrop, like Nebula.





Select the Robot sprite.



TRY IT

Click the green flag to start the game!

Victory Message

Show a message when you go to the next level.





Chase Game



Victory Message

GET READY



Click the **Paint** icon to make a new sprite.

Use the **Text** tool to write a message, like "Level Up!"



You can change the font color, size, and style.

ADD THIS CODE



TRY IT

Click the green flag to play your game.



Make Music Cards



Choose instruments, add sounds, and press keys to play music.

scratch.mit.edu



Set of 9 cards

Make Music Cards

Try these cards in any order:

- Play a Drum
- Make a Rhythm
- Animate a Drum
- Make a Melody
- Play a Chord
- Surprise Song
- Beatbox Sounds
- Record Sounds
- Play a Song

scratch.mit.edu

SCRATCH

Set of 9 cards

Play a Drum

Press a key to make a drum sound.



」)

Make Music





GET READY







ADD THIS CODE



TRY IT



Press the **space** key on your keyboard.

Make a Rhythm

Play a loop of repeating drum sounds.





Make a Rhythm

GET READY



Choose a backdrop.



Choose a drum from

the Music category.





To see just the music sprites, click the **Music** category at the top of the Sprite Library.

ADD THIS CODE



TRY IT



Press the **space** key on your keyboard.

Animate a Drum

Switch between costumes to animate.





Make Music



3

Animate a Drum

GET READY



a drum.





Click the **Costumes** tab to see the costumes.

You can use the paint tools to change colors.

at Castr 🖌	Casumes - pr Sounds
1 10	Cesture drume conga-b 🖛
de car	
° 🐺 °	
100 a 100	* * N L
	16 11
	5 T
	10

ADD THIS CODE





Pres

Press the left arrow key.

Make a Melody

Play a series of notes.



(い)

SCRATCH

Make Music

Make a Melody scratch.mit.edu

GET READY



Choose an instrument, like Saxophone.





To see just the music sprites, click the **Music** category at the top of the Sprite Library.

ADD THIS CODE



TRY IT



Press the **up arrow** key.

Play a Chord

Play more than one sound at a time to make a chord.



」)

SCRATCH

Make Music



GET READY



Choose an instrument, like Trumpet.





To see just the music sprites, click the **Music** category at the top of the Sprite Library.

ADD THIS CODE



TRY IT



Use

Press the down arrow key.

TIP

Use start sound • to make sounds play at the same time.

play sound 🔹 until done to play sounds one after another.

Surprise Song

Play a random sound from a list of sounds.



Make Music



Surprise Song

GET READY



like Guitar.



() Sounds

Click the **Sounds** tab to see how many sounds are in your instrument.

🐲 Code	1	Costumes	(I) Sounds
1 ()	Sound	C guitar	
C gutar 2.00			
2			
D guitar 1.80			

ADD THIS CODE



TRY IT



Press the **right arrow** key.

Beatbox Sounds

Play a series of vocal sounds.



」)

Make Music



Beatbox Sounds

scratch.mit.edu

GET READY



Choose the Microphone sprite.



() Sounds

Click the **Sounds** tab to see how many sounds are in your instrument.



ADD THIS CODE



TRY IT

Press the **B** key to start.

Record Sounds

Make your own sounds to play.



」)

Make Music



Record Sounds

GET READY



TRY IT

C Pre

Press the C key to start.

Play a Song

Add a music loop as background music.



」)

Make Music





GET READY




Animate a Character Cards









Bring characters to life with animation.

scratch.mit.edu



Set of 8 cards

Animate a Character Cards

Try these cards in any order:

- Move with Arrow Keys
- Make a Character Jump
- Switch Poses
- Glide from Point to Point
- Walking Animation
- Flying Animation
- Talking Animation
- Draw an Animation

scratch.mit.edu



Set of 8 cards

Move with Arrow Keys

Use the arrow keys to move your character around.



Animate a Character



Move with Arrow Keys

scratch.mit.edu

GET READY



Choose a backdrop.







ADD THIS CODE

Change x

change x by

change x by -10

Move your character side to side.

10



Move your character up and down.



TRY IT



Type a minus sign to move left.

Press the arrow keys on your keyboard to move your character around.

Make a Character Jump

Press a key to jump up and down.





Animate a Character



Make a Character Jump

scratch.mit.edu

GET READY



Choose a backdrop.







ADD THIS CODE



Press the **space** key on your keyboard.

Switch Poses

Animate a character when you press a key.





Animate a Character



Switch Poses

scratch.mit.edu



GET READY

Costumes

Choose a character with multiple costumes, like Max.



Max

Scroll over sprites in the Sprite Library to see if they have different costumes.



Click the **Costumes** tab to view all of your sprite's costumes.

ADD THIS CODE



Glide from Point to Point

Make a sprite glide from point to point.







Animate a Character



4

Glide from Point to Point

scratch.mit.edu

GET READY



Choose a backdrop.







ADD THIS CODE



TRY IT

Click the green flag to start.



TIP



When you drag a sprite, its **x** and **y** positions will update in the blocks palette.

Walking Animation

Make a character walk or run.





Animate a Character



Walking Animation



GET READY



Choose a backdrop.







ADD THIS CODE





TRY IT



Click the green flag to start.



If you want to slow down the animation, try adding a wait block inside the repeat block.

Flying Animation

Have a character flap its wings as it moves across the stage.





Animate a Character



Flying Animation



GET READY



Choose a backdrop.



Choose Parrot (or another flying sprite).



ADD THIS CODE

Glide across the screen

Flap the wings





TRY IT

Click the green flag to start. —

Talking Animation

Make a character talk.





Animate a Character



Talking Animation



GET READY



TRY IT

Click the green flag to start. -



Draw an Animation

Edit a sprite's costumes to create your own animation.



Animate a Character



Draw an Animation

GET READY



Choose a character.



Click the Costumes tab.

Right-click (on a Mac, control-click) a costume to duplicate it. Now you should have two identical costumes.



Click a costume to select and edit it.

Click the **Select** tool.



Select a part of the costume to squeeze or stretch it.





Drag the handle to rotate an object you've selected.



ADD THIS CODE





Click the Code tab.

Use the **next costume** block to animate your character. TRY IT



Click the green flag to start.

Create a Story Cards



Choose characters, add conversation, and bring your story to life.

scratch.mit.edu



Set of 9 cards

Create a Story Cards

Start with the first card, and then try the other cards in any order:

- Start a Story
- Start a Conversation
- Switch Backdrops
- Click a Character
- Add Your Voice
- Glide to a Spot
- Walk onto the Stage
- Respond to a Character
- Add a Scene



Set of 9 cards

scratch.mit.edu

Start a Story

Set the scene and have a character say something.



SCRATCH

Create a Story

Start a Story scratch.mit.edu

GET READY



Choose a backdrop.







ADD THIS CODE



TRY IT Click the green flag to start.

Start a Conversation

Make two characters talk to each other.





Create a Story



2

Start a Conversation

scratch.mit.edu

GET READY



Choose two characters, like Witch and Elf.





ADD THIS CODE

Click the thumbnail for each character, and then add its code.



TIP



Switch Backdrops

Change from one backdrop to another.





Create a Story



Switch Backdrops

scratch.mit.edu

GET READY



Choose a character.





Choose two backdrops.





ADD THIS CODE



TRY IT

Click the green flag to start.

Click a Character

Make your story interactive.





口))

Create a Story



Click a Character

scratch.mit.edu

GET READY



Choose a backdrop.







ADD THIS CODE



TRY IT

Click your character.



Add Your Voice

Record your voice to make a character talk.





」)

Create a Story



Add Your Voice

scratch.mit.edu

GET READY



Click the green flag to start.



Glide to a Spot

Make a character move across the Stage.





Create a Story



Glide to a Spot

scratch.mit.edu

GET READY



Choose a backdrop.







ADD THIS CODE







When you drag a sprite, the numbers for **x** and **y** will update in the blocks palette.

Walk onto the Stage

Have a character enter the scene.





Create a Story



Walk onto the Stage

scratch.mit.edu

GET READY



Choose a backdrop.







ADD THIS CODE



TIP



Respond to a Character

Coordinate a conversation so that one character talks after another.





Create a Story



Respond to a Character

scratch.mit.edu

GET READY



Choose a backdrop.











ADD THIS CODE

Click the thumbnail for each character, and then add its code.


Add a Scene

Create multiple scenes with different backdrops and characters.





Create a Story





Witch House

GET READY



Mountain

ADD THIS CODE

Fox



TRY IT

Click the green flag to start. -

Pong Game Cards



Make a bouncing ball game and score points to win!

SCRATCH

scratch.mit.edu

Set of 6 cards

Pong Game Cards

- Use these cards in this order:
- **1. Bounce Around**
- 2. Move the Paddle
- 3. Bounce off the Paddle
- 4. Game Over
- **5. Score Points**
- 6. Win the Game

scratch.mit.edu



Set of 6 cards

Bounce Around

Make a ball move around the Stage.



Pong Game



Bounce Around

scratch.mit.edu

GET READY



Choose a backdrop.







ADD THIS CODE



Move the Paddle

Control a paddle by moving your mouse pointer.



Pong Game



Move the Paddle

scratch.mit.edu



GET READY



TIP

You can see the **x** position of the paddle change as you move the mouse pointer across the Stage.



Bounce off the Paddle

Make the ball bounce off the paddle.



Pong Game



Bounce off the Paddle

scratch.mit.edu

GET READY

Click to select the Ball sprite.



ADD THIS CODE

Add this new stack of blocks to your Ball sprite.





Click the green flag to start.



Game Over

Stop the game if the ball hits the red line.



4

Pong Game





GET READY





Choose the sprite called Line.



Drag the Line sprite to the bottom of the Stage.

ADD THIS CODE



Click the green flag to start.

Score Points

Add a point each time you hit the ball with the paddle.





Pong Game



Score Points

scratch.mit.edu

GET READY



New Variable	
New variable name:	
Score	
OFor all sprites For this sprite	only
Mare Ostarra -	
Canad	0

Name this variable **Score** and then click **OK**.

ADD THIS CODE



Win the Game

When you score enough points, display a winning message!



Pong Game



Win the Game

scratch.mit.edu

GET READY



to make a new sprite.

Use the **Text** tool to write a message, like "You Won!"



You can change the font color, size, and style.



Click the green flag to start. Play until you score enough points to win!

Let's Dance Cards









Design an animated dance scene with music and dance moves.

scratch.mit.edu



Set of 9 cards

Let's Dance Cards

Try these cards in any order:

- Dance Sequence
- Dance Loop
- Play Music
- Take Turns
- Starting Position
- Shadow Effect
- Interactive Dance
- Color Effect
- Leave a Trail





Set of 9 cards

Dance Sequence

Make an animated dance.





Dance Sequence

GET READY







Click the **Costumes** tab to see the different dance moves.



To see just the dance sprites, click the **Dance** category at the top of the Sprite Library.

ADD THIS CODE





Dance Loops

Repeat a series of dance steps.





Dance Loop



GET READY



Go to the Sprite Library.



Click the **Dance** category.



Choose a dancer.

ADD THIS CODE



TRY IT

Click the green flag to start.



Play Music J 050

Play and loop a song.











GET READY



Choose a backdrop.





() Sounds Click the Sounds tab.

Choose a song from the **Loops** category.



Take Turns & Obo

Coordinate dancers so that one begins after the other finishes.



SCRATCH

Take Turns

scratch.mit.edu



GET READY







ADD THIS CODE





Starting Position

Tell your dancers where to start.



SCRATCH

Starting Position

scratch.mit.edu

GET READY







Click the **Dance** category.



Choose a dancer.

ADD THIS CODE



TIP



Shadow Effect

Make a dancing silhouette.





Shadow Effect

scratch.mit.edu



GET READY







Click the **Dance** category.



Choose a dancer.

ADD THIS CODE





Press keys to switch dance moves.





Interactive Dance

scratch.mit.edu

GET READY





Go to the Sprite Library.



Click the **Dance** category.



Choose a dancer.

ADD THIS CODE

Choose a different key to press for each dance move.

Pick a dance move from the menu.



TRY IT



Press the arrow keys on your keyboard.

Color Effect

Make the backdrop change colors.









GET READY





ADD THIS CODE







Stamp a trail as your dancer moves.





Leave a Trail

scratch.mit.edu



GET READY



Choose a dancer from the Dance category.





Click the **Extensions** button, and then click **Pen** to add the blocks.

ADD THIS CODE





TRY IT

Click the green flag to start.


Jumping Game Cards



Make a character jump over moving obstacles.

scratch.mit.edu



Set of 7 cards

Jumping Game Cards

Use these cards in this order:

1. Jump

- 2. Go to Start
- 3. Moving Obstacle
- 4. Add a Sound
- 5. Stop the Game
- **6. Add More Obstacles**
- 7. Score

scratch.mit.edu



Set of 7 cards



Make a character jump.



Jumping Game





GET READY



ADD THIS CODE



Go to Start

Set the starting point for your sprite.



Jumping Game



Go to Start

scratch.mit.edu

GET READY



Drag your character to where you want it.



When you move your character, its **x** and **y** position will update in the blocks palette.

Now when you drag out a **go to** block, it will set to your character's new position.

ADD THIS CODE



Change the size of a sprite by typing a smaller or larger number.

Moving Obstacle

Make an obstacle move

across the Stage.







Jumping Game



Moving Obstacle

GET READY





ADD THIS CODE



Add a Sound

Play a sound when your sprite jumps.



Jumping Game



Add a Sound

scratch.mit.edu

GET READY

Click to select the Chick sprite.



ADD THIS CODE



TRY IT



Stop the Game

Stop the game if your sprite touches the egg.





Jumping Game



Stop the Game

scratch.mit.edu

GET READY

Click to select the Egg sprite.





Click the **Costumes** tab to see the Egg sprite's costumes.



ADD THIS CODE





Add More Obstacles

Make the game harder by adding more obstacles.



Jumping Game



Add More Obstacles

scratch.mit.edu

GET READY



To duplicate the Egg sprite, right-click (Mac: control-click) on the thumbnail, and then choose **duplicate**.

Sprite	Egg2	81		+
Show	0	ø	Size	100
	1			8
Chick		Egg	E	992

Click to select Egg2.

ADD THIS CODE





Click the green flag to start.



Add a point each time your sprite jumps over an egg.



Jumping Game





GET READY



Score	_
For all sprites For this sprite	his sprite or

Name this variable **Score** and then click **OK**.

ADD THIS CODE

Click the Chick sprite and add two blocks to your code:



TRY IT

Jump over the eggs to score points!



Virtual Pet Cards









Create an interactive pet that can eat, drink, and play.

scratch.mit.edu



Set of 7 cards

Virtual Pet Cards

- Use these cards in this order:
- **1. Introduce Your Pet**
- 2. Animate Your Pet
- 3. Feed Your Pet
- 4. Give Your Pet a Drink

SCRATCH

Set of 7 cards

- 5. What Will Your Pet Say?
- 6. Time to Play
- 7. How Hungry?

scratch.mit.edu

Introduce Your Pet

Choose a pet and have it say hello.





Virtual Pet



Introduce Your Pet

scratch.mit.edu

GET READY



Choose a backdrop, like Garden Rock.



Choose a sprite to be



Pick a sprite with more than one costume.



Scroll over sprites in the Sprite Library to see their different costumes.

ADD THIS CODE

Drag your pet to where you want it on the Stage.



TRY IT



Animate Your Pet

Bring your pet to life.



Animate Your Pet

scratch.mit.edu

GET READY



Click the **Costumes** tab to see your pet's costumes.



ADD THIS CODE





Feed Your Pet

Click the food to feed your pet.





」)

Virtual Pet



Feed Your Pet

scratch.mit.edu

GET READY



Click the food.

Give Your Pet a Drink

Give your pet some water to drink.





(い)

Virtual Pet



Give Your Pet a Drink

scratch.mit.edu

GET READY



Choose a drink sprite, like Glass Water.



ADD THIS CODE



Tell your pet what to do when it receives the message.







Click the drink to start.

What Will Your Pet Say?

Let your pet choose what it will say.





Virtual Pet



What Will Your Pet Say?

scratch.mit.edu

GET READY



TRY IT



Click your pet to see what it says.

Time to Play

Have your pet play with a ball.



Virtual Pet



Time to Play

scratch.mit.edu









How Hungry?

Keep track of how hungry your pet is.





」)

Virtual Pet



How Hungry?

GET READY



ADD THIS CODE





Choose **food** from the menu.



Type a minus sign to make your pet less hungry when it gets food.

TRY IT

Click the green flag to start.



Then click the food.



Catch Game Cards









Make a game where you catch things falling from the sky.

scratch.mit.edu



Set of 7 cards

Catch Game Cards

- Use these cards in this order:
- 1. Go to the Top
- 2. Fall Down
- 3. Move the Catcher
- 4. Catch It!
- 5. Keep Score
- 6. Bonus Points
- 7. You Win!

scratch.mit.edu



Set of 7 cards

Go to the Top

Start from a random spot at the top of the Stage.



Catch Game



Go to the Top



GET READY



TIP

y is the position on the Stage from top to bottom.


Fall Down

Make your sprite fall down.







SCRATCH







Click to select the Apple sprite.

ADD THIS CODE

Keep the previous code as is, and add this second stack of blocks:



Move the Catcher

Press the arrow keys so that the catcher moves left and right.







Move the Catcher

scratch.mit.edu

GET READY



Choose a catcher, like Bowl.





Drag the bowl to the bottom of the Stage.

ADD THIS CODE



Catch It!

Catch the falling sprite.











Click to select the Apple sprite.



ADD THIS CODE



Keep Score

Add a point each time you catch the falling sprite.











Name this variable **Score** and then click **OK**.

ADD THIS CODE

Add two new blocks to your code:



TRY IT

Click the green flag to start.



Then, catch apples to score points!

Bonus Points

Get extra points when you catch a golden sprite.







Bonus Points

GET READY

To duplicate your sprite, right-click (Mac: control-click).



Choose duplicate.

Click the Costumes tab.



You can use the paint tools to make your bonus sprite look different.

ADD THIS CODE

change Score - by 1

escyla (180)



Click the Code tab.

Type how many points you get for catching a bonus sprite.



Catch the bonus sprite to increase your score!



When you score enough points, display a winning message!











Click the **Paint** icon to make a new sprite.

Use the **Text** tool to write a message, like "You Win!"



You can change the font color, size, and style.



TRY IT

Click the green flag to start.



Play until you score enough points to win!

Video Sensing Cards



Interact with projects using Video Sensing.

scratch.mit.edu

SCRATCH

Set of 7 cards

Video Sensing Cards

Try these cards in any order:

- Pet the Cat
- Animate
- Pop a Balloon
- Play the Drums
- Keep Away Game
- Play Ball

scratch.mit.edu

Start an Adventure

Set of 7 cards

Pet the Cat



Make the cat meow when you touch it.



」)









Click the **Extensions** button (at the bottom left of the screen).



Choose **Video Sensing** to add the video blocks.

ADD THIS CODE



This will start when it senses video motion on a sprite.

Type a number between 1 and 100 to change the sensitivity.

1 will start with very little movement, 100 requires a lot of movement.

TRY IT

Move your hand to pet the cat.

Animate



Move around to bring a sprite to life.













Click the **Extensions** button, then choose **Video Sensing**.





Choose a sprite to animate.



Pick a sprite with more than one costume.



Scroll over sprites in the Sprite Library to see their different costumes.

ADD THIS CODE



TRY IT

Move around to animate the dragon.



Pop a Balloon



Use your finger to pop a balloon.

















Click the **Extensions** button, then choose **Video Sensing**.





Choose a sprite, like Balloon1.

ADD THIS CODE



TRY IT



Use your finger to pop the balloon.

Play the Drums

Interact with sprites that play sounds.













Click the **Extensions** button, then choose **Video Sensing**.





Choose two sprites, like Drum and Drum-cymbal.

ADD THIS CODE

Click on a drum to select it, then add its code.







Use your hands to play the drums!



Move around to avoid a sprite.





Keep Away Game



GET READY





Click the **Extensions** button, then choose **Video Sensing**.



Choose a backdrop, like Ocean.



Choose a sprite, like Jellyfish.

ADD THIS CODE



Type a number between 0 and 100. (0 to show the video, 100 to make the video transparent.)

TRY IT



Move around to avoid the jellyfish.

Play Ball



Use your body to move a sprite across the screen.















Click the **Extensions** button, then choose **Video Sensing**.





Choose a sprite, like Beachball.

ADD THIS CODE



TRY IT



Use your hands to push the beach ball around the screen. Try it with a friend!

Start an Adventure!

Interact with a story by moving your hands.







Start an Adventure!

GET READY



ADD THIS CODE



TRY IT

Click the green flag. Then wave to wake up the fox.