

# Coding

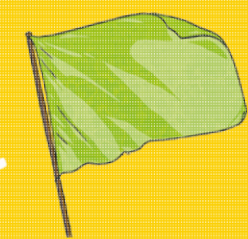
forever

repeat 10

# Lead



when



clicked







change size by 10

hide

# ratch:

Delete all of

# ops

Meow

until done



# Coding Lead

forever

repeat 10



when



clicked







change size by 10

hide

# scratch:

Delete all of

# ops

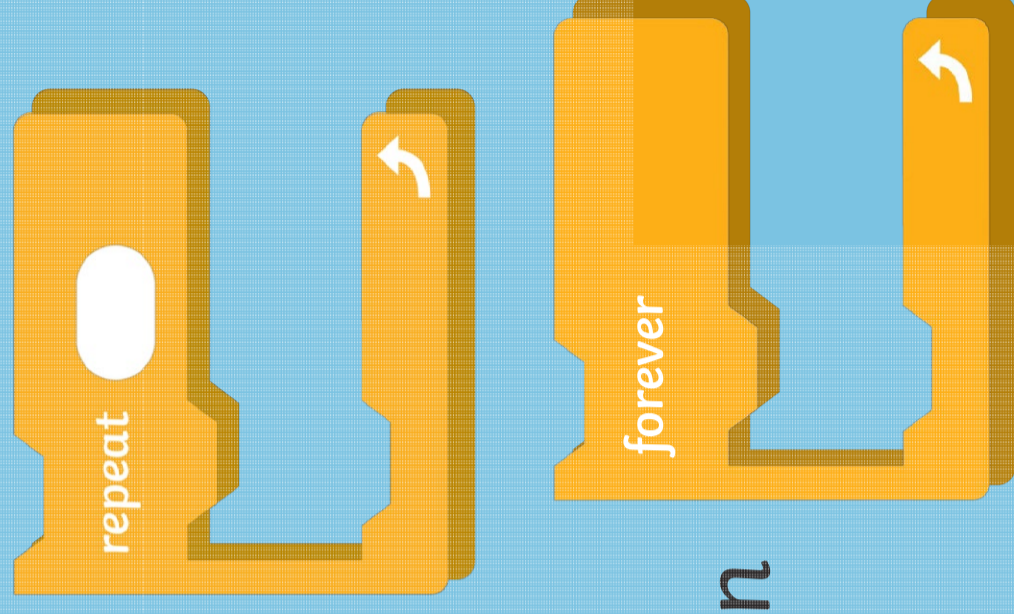
Meow

until done



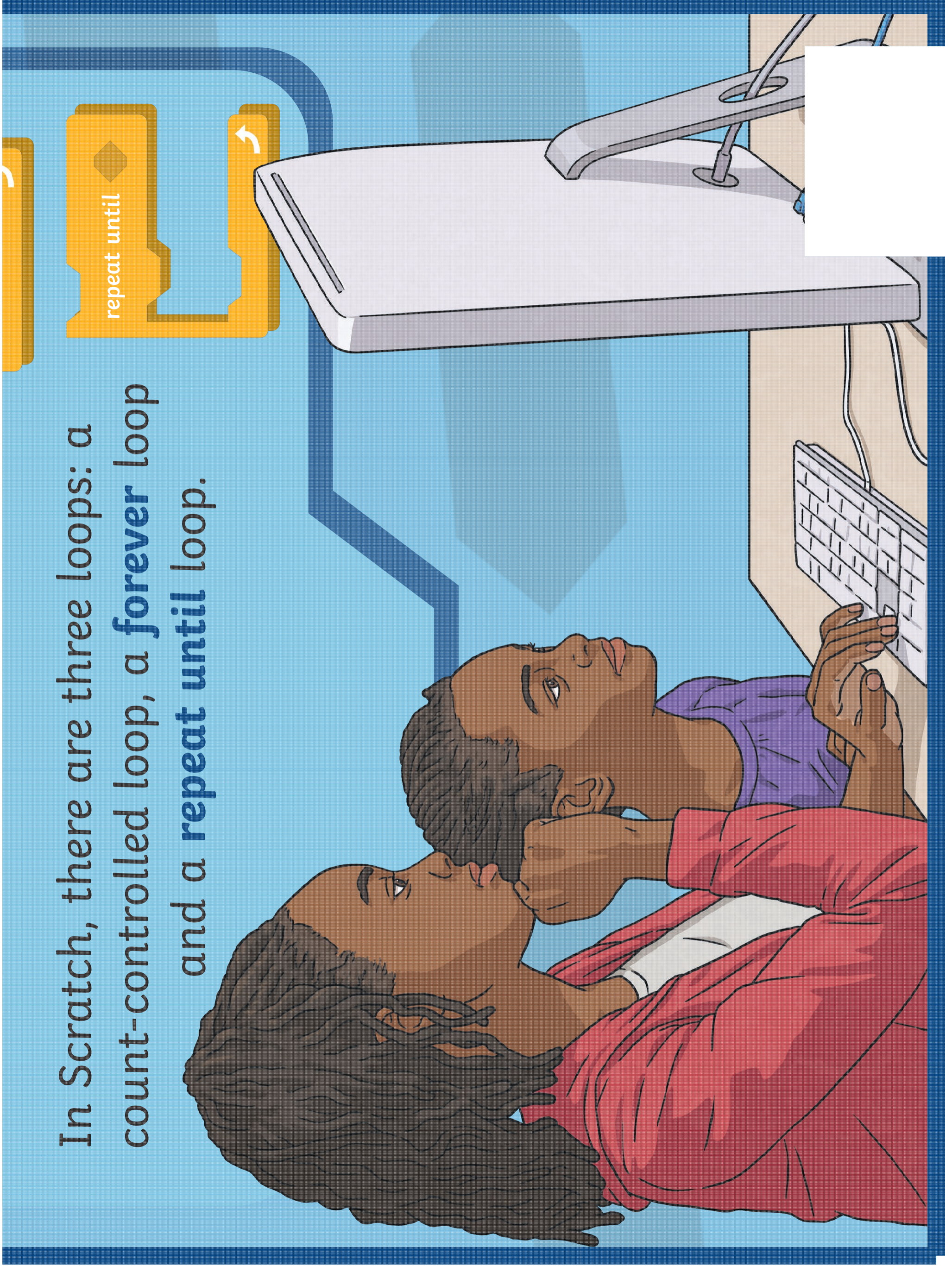
# Coding with Scratch: Learning Loops

In computer programming, loops are a way of repeating a set of instructions over and over again until a task is complete or a certain condition is met.





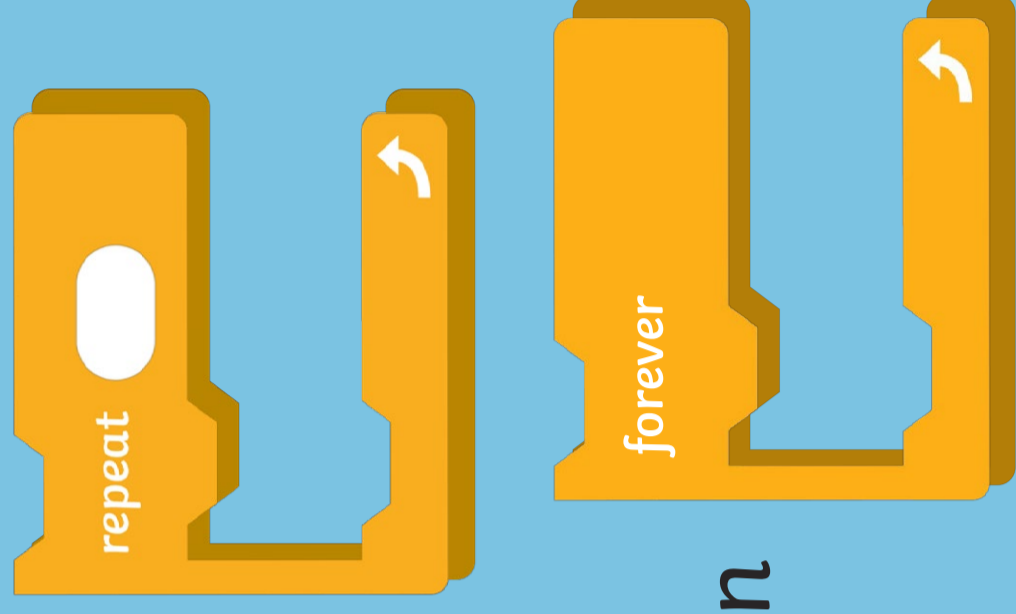
In Scratch, there are three loops: a count-controlled loop, a **forever** loop and a **repeat until** loop.





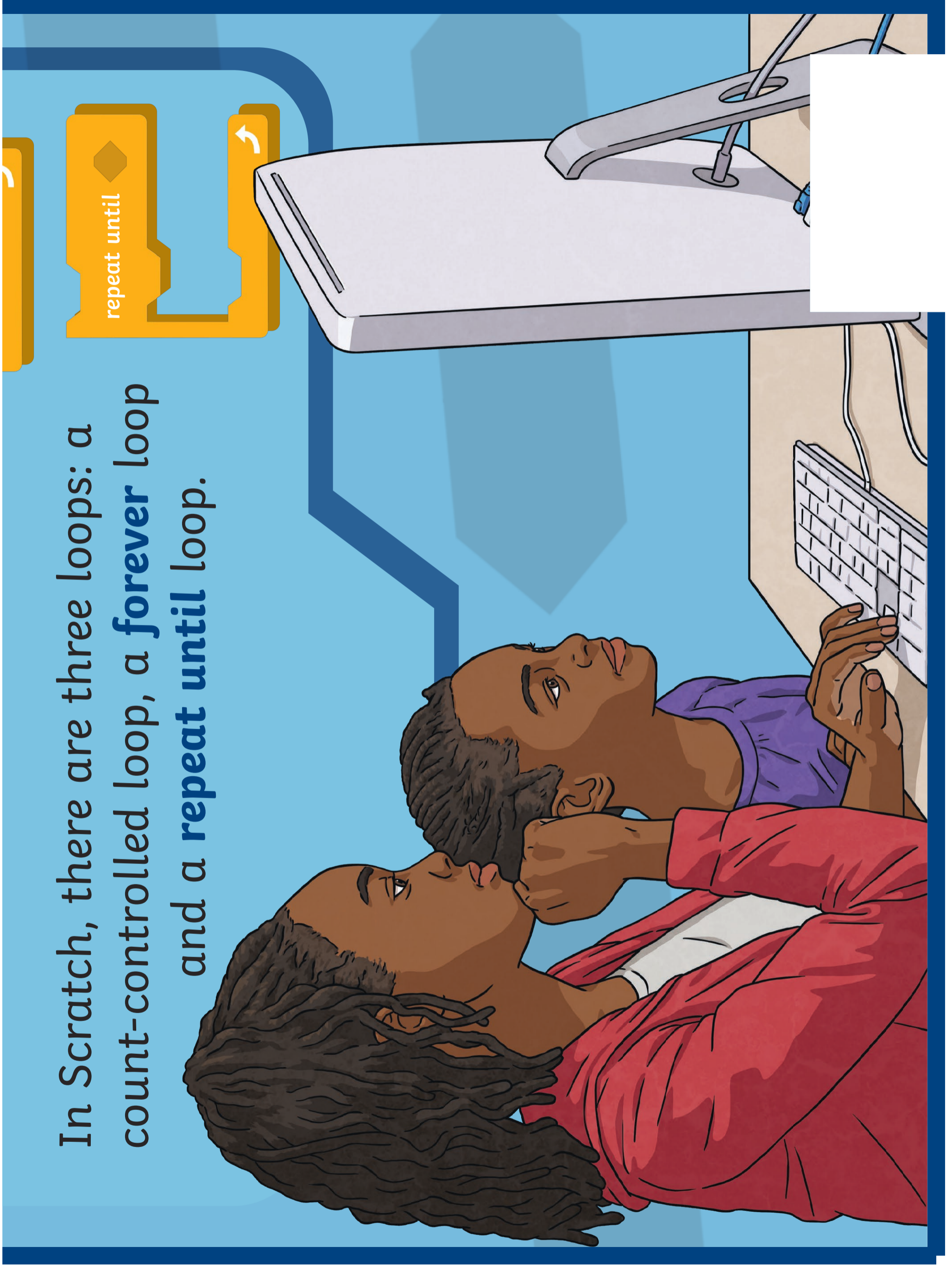
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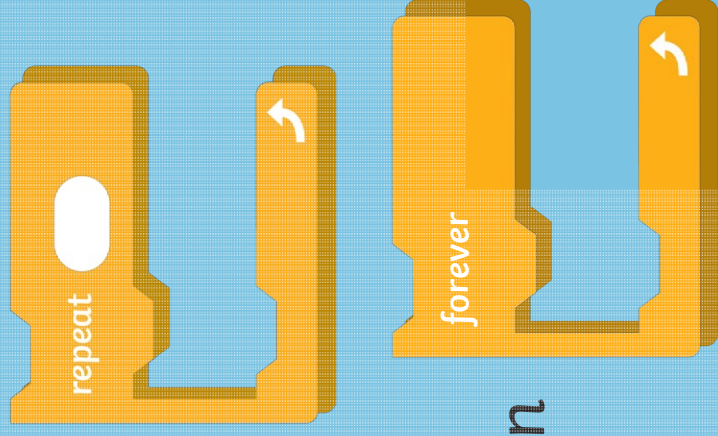
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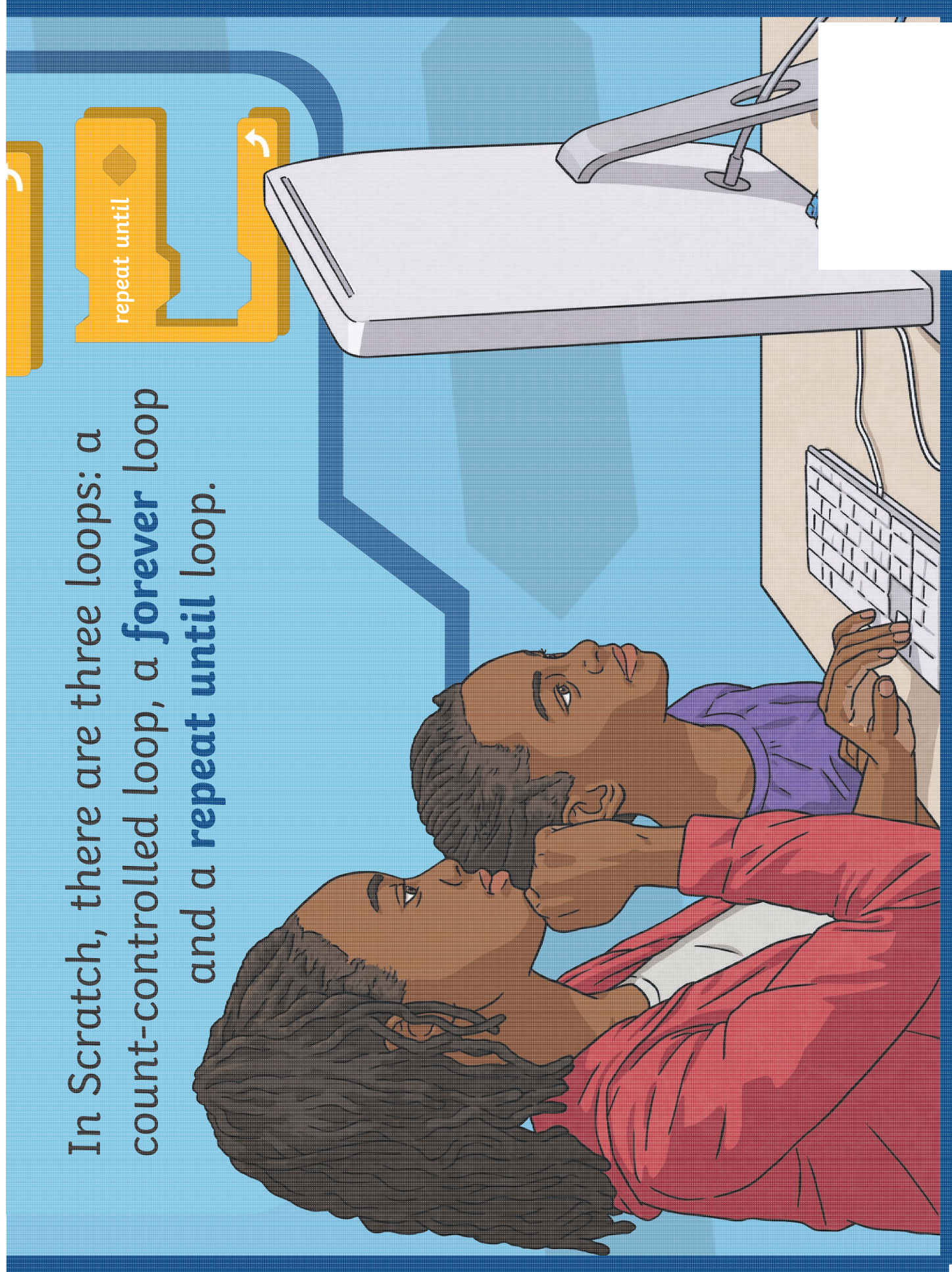
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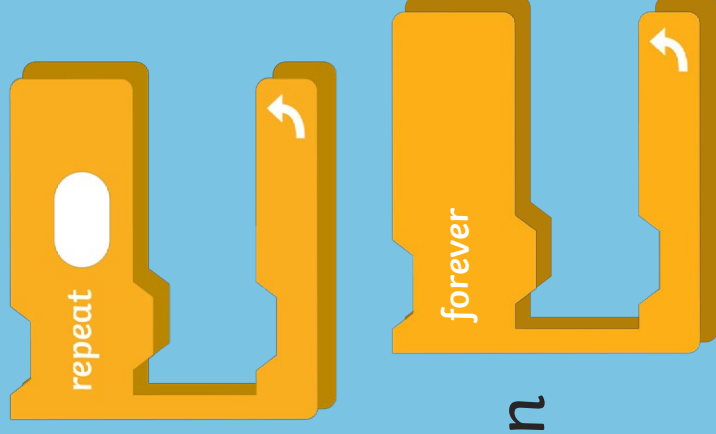
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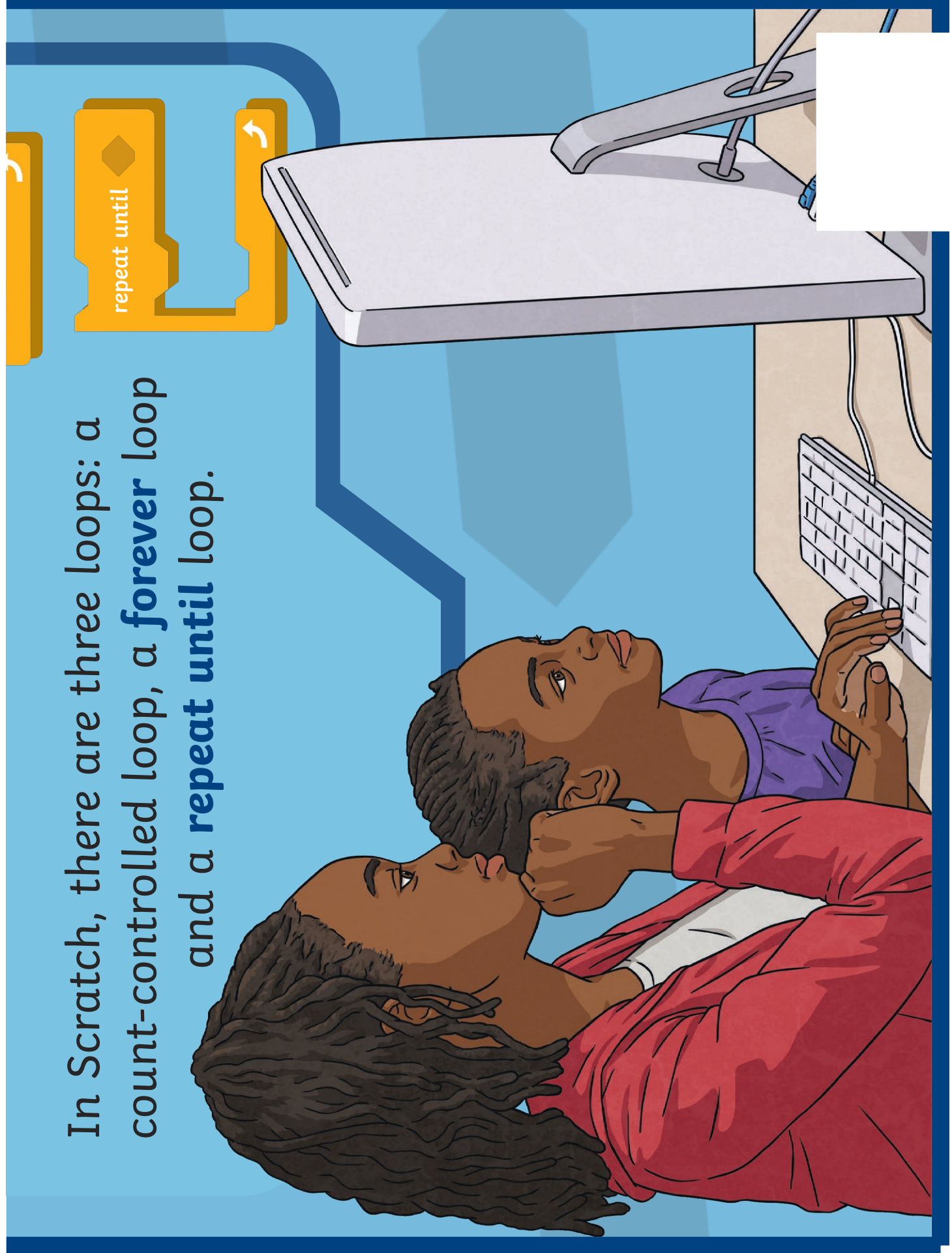
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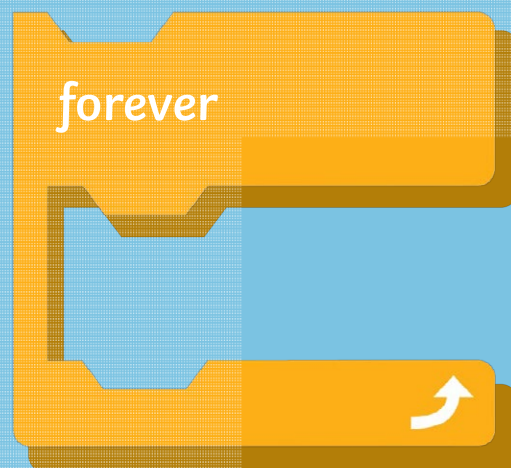
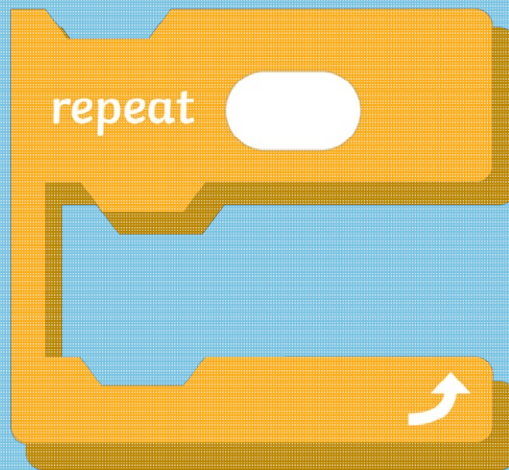
# Coding with Learning

In computer programming, loops are a way of repeating a set of instructions over and over until a task is complete or a condition is met.



# With Scratch: Using Loops

Using loops, loops a set of code over again over and over again or a certain number of times.



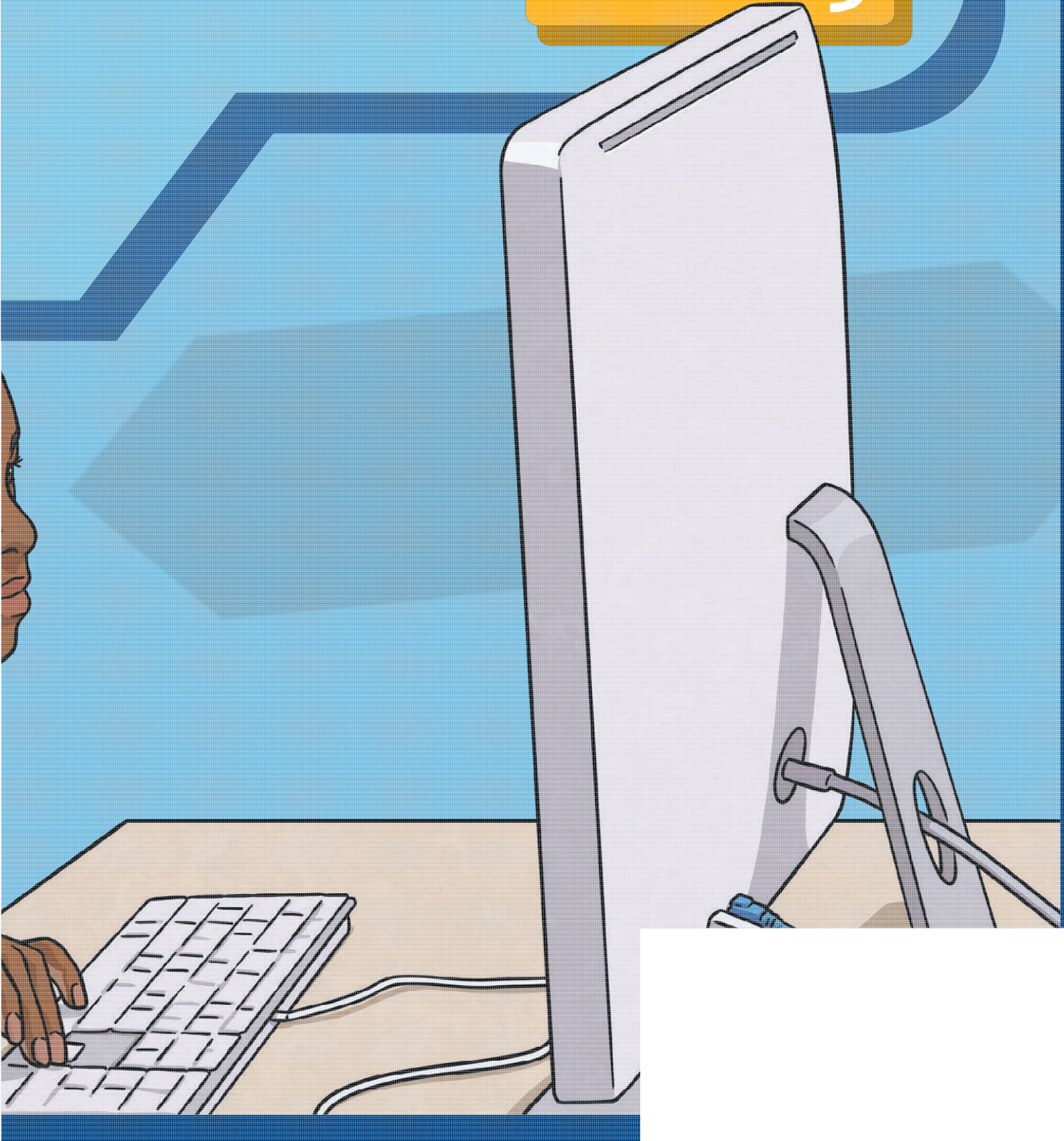
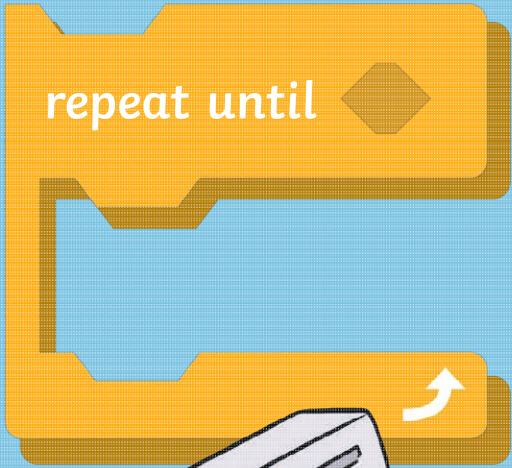


In Scratch, there are three  
count-controlled loop, a **for**  
and a **repeat until**





ree loops: a  
**forever** loop  
**until** loop.





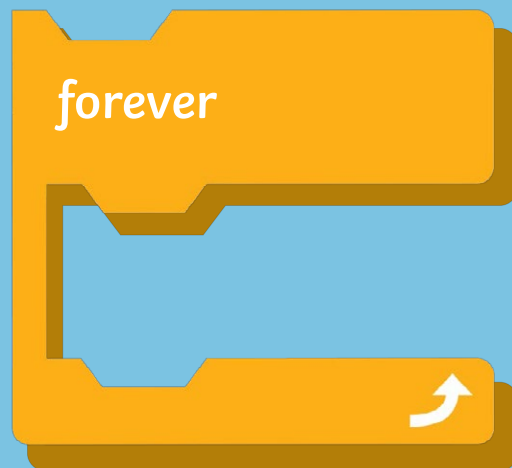
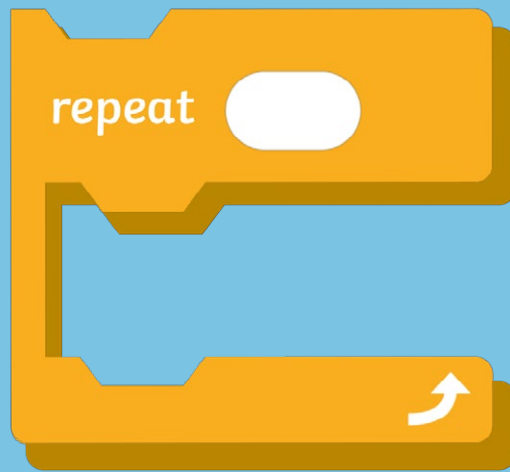
# Coding with Learning

In computer programming, loops are a way of repeating a set of instructions over and over until a task is complete or a condition is met.



# Scratch Loops

Scratch loops allow you to repeat a set of code over and over again for a certain number of times.



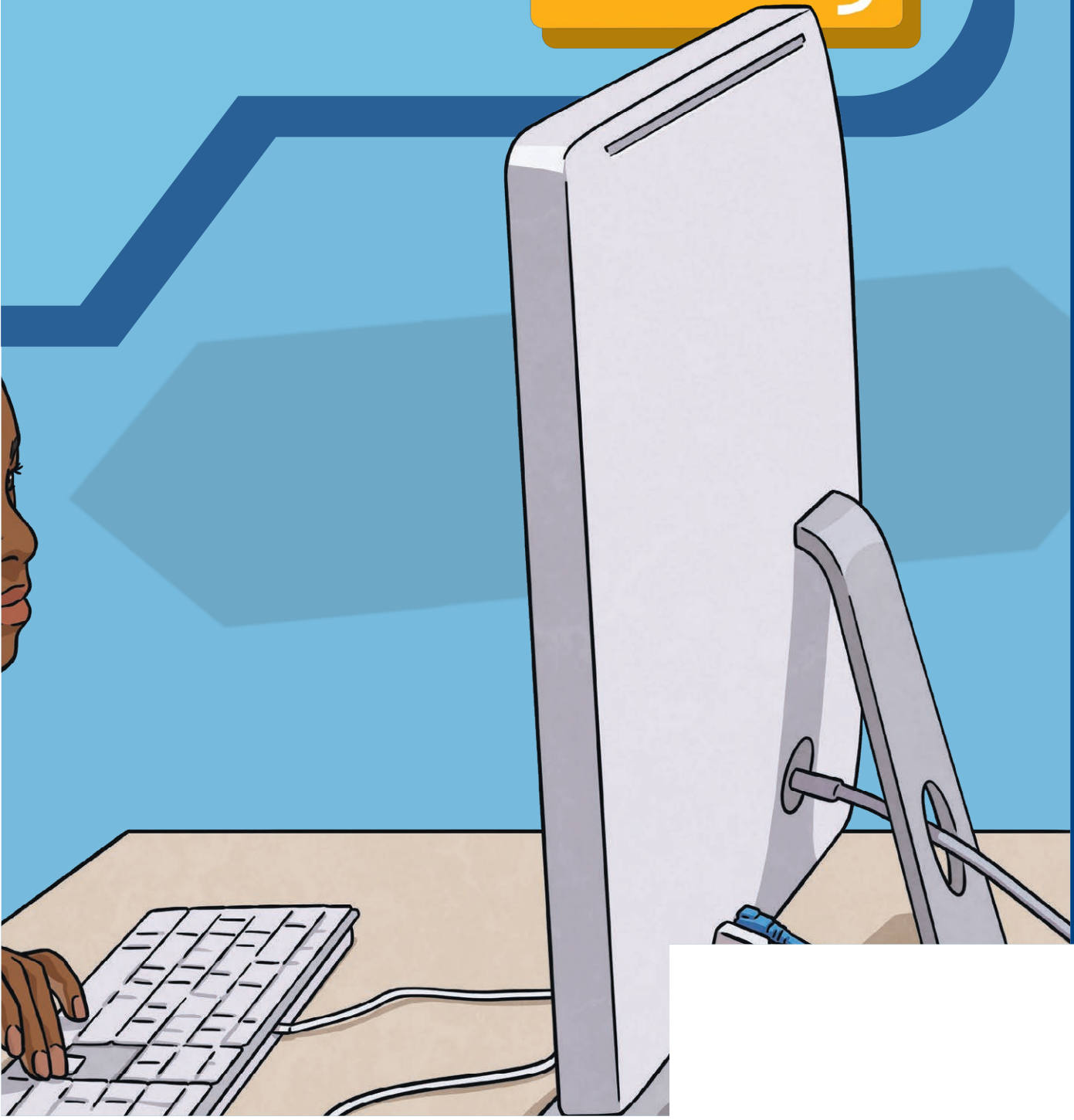
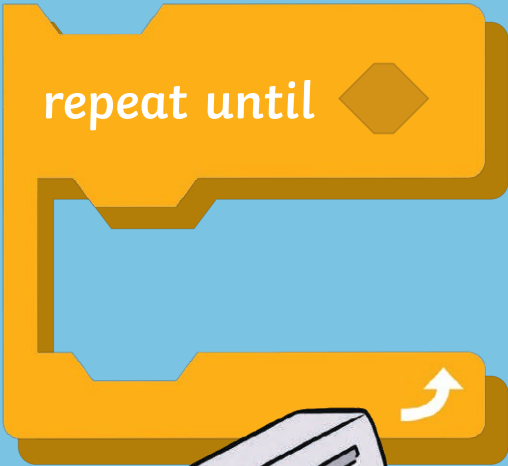


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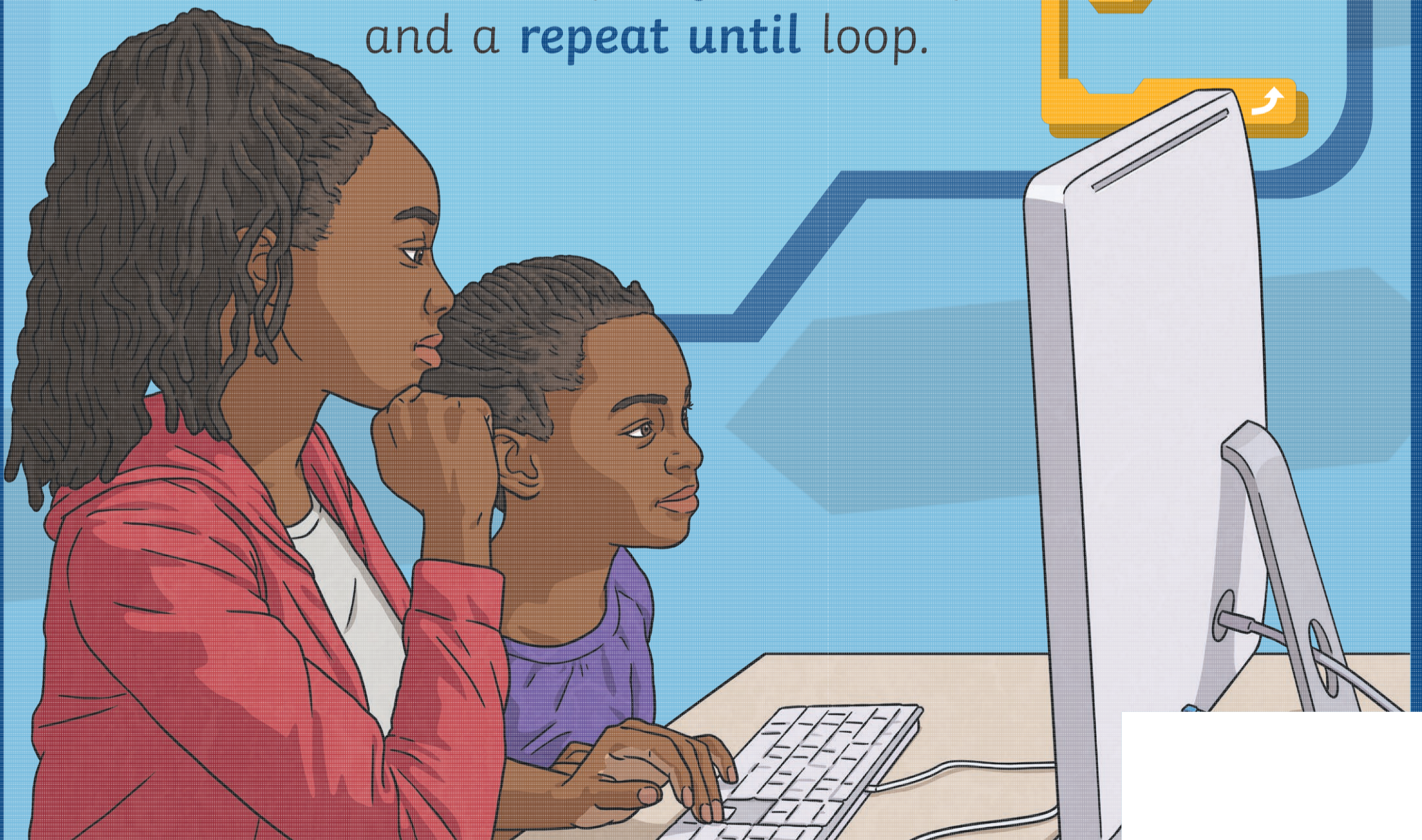
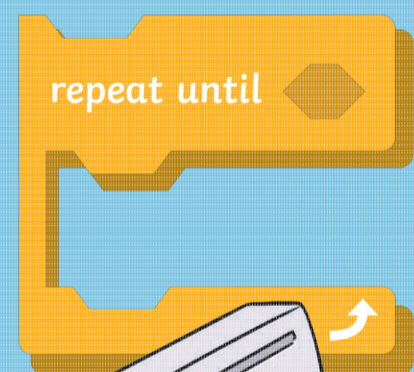
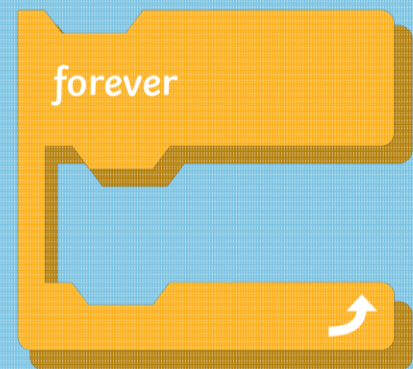
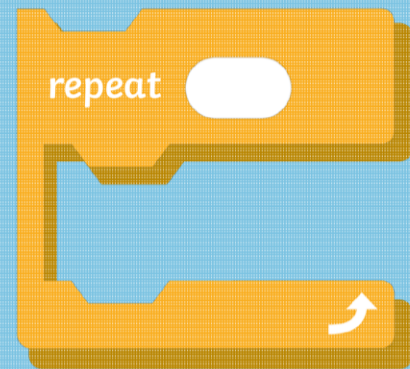




# Coding with Scratch: Learning Loops

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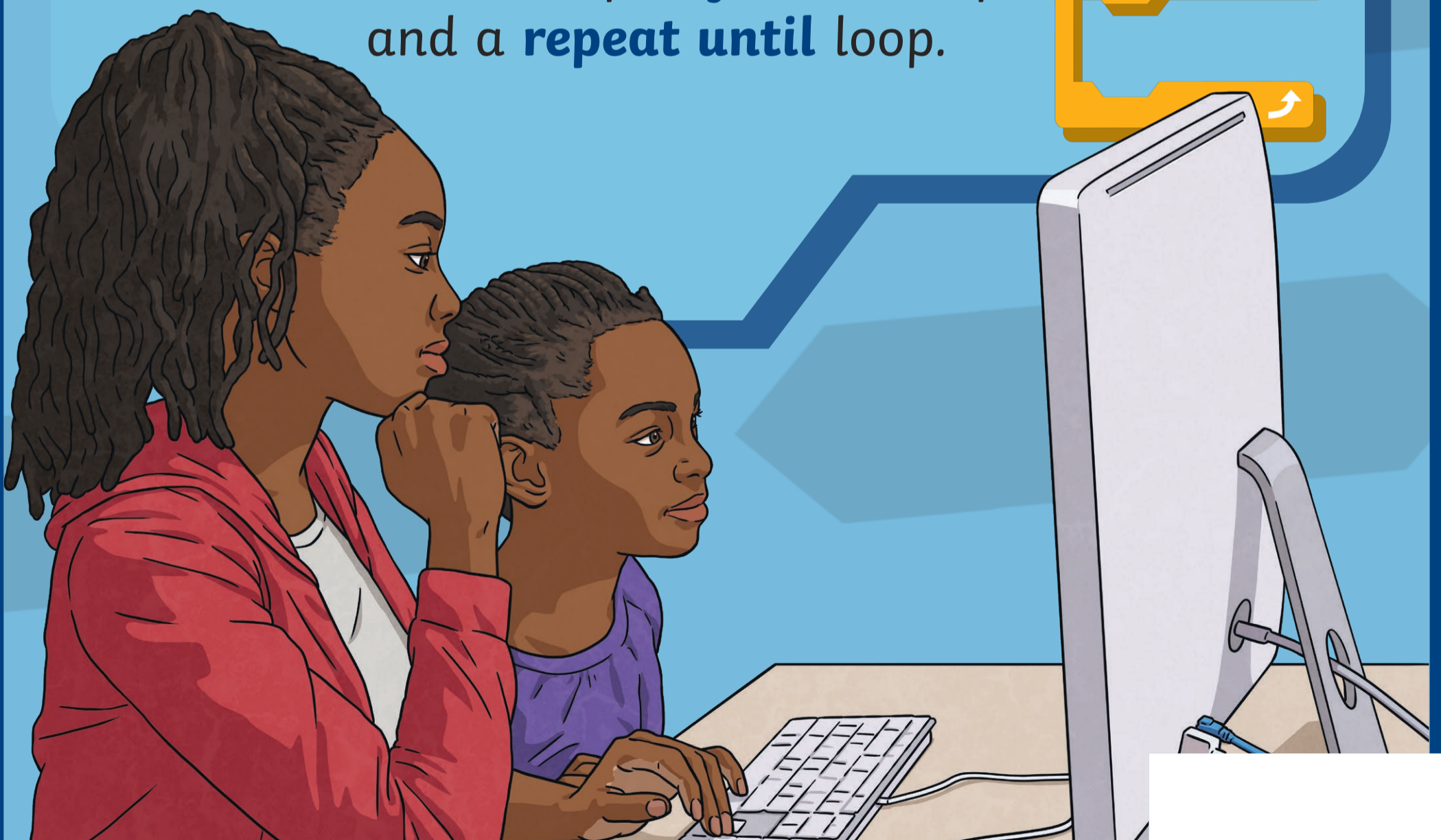
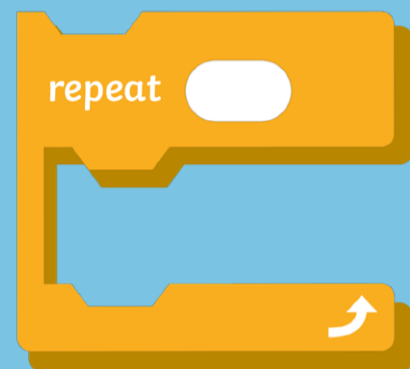




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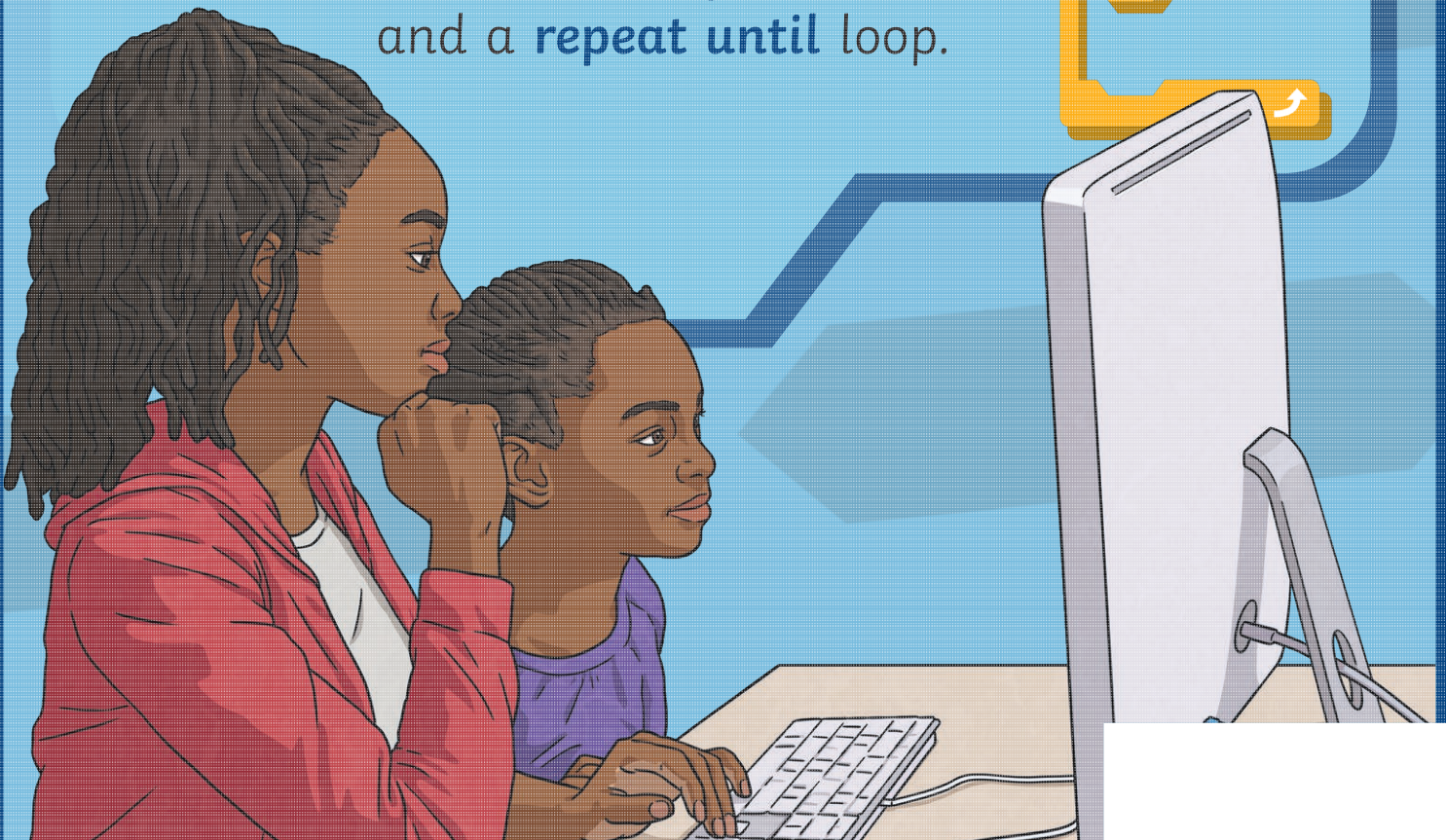
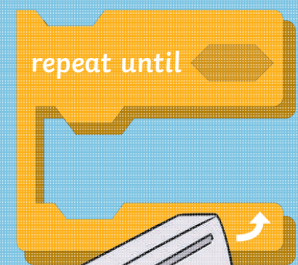
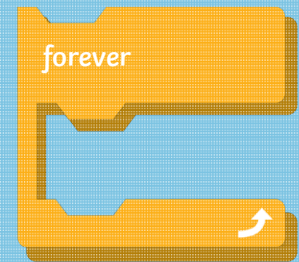
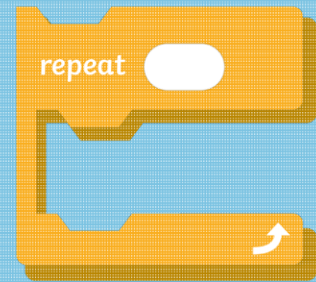




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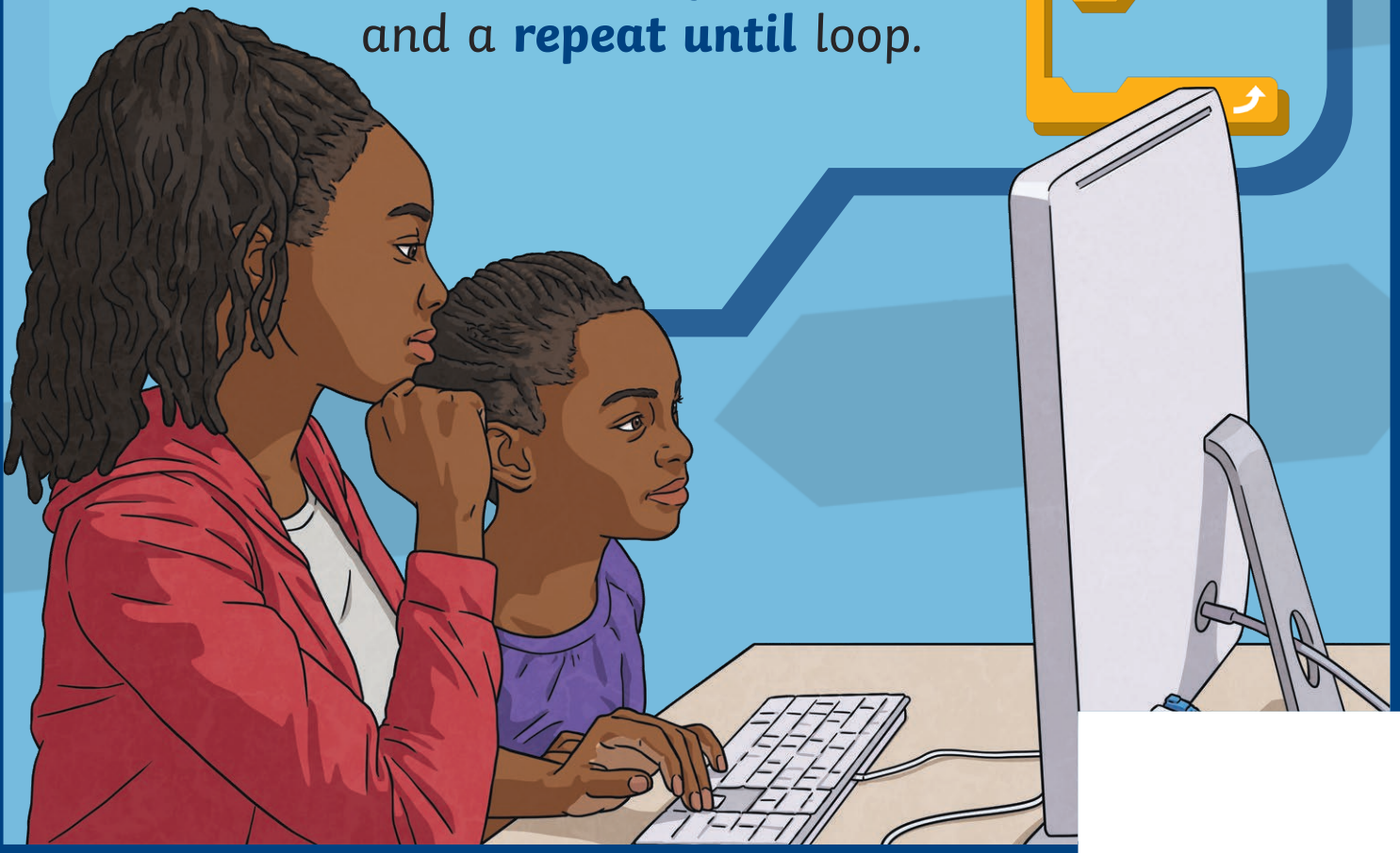
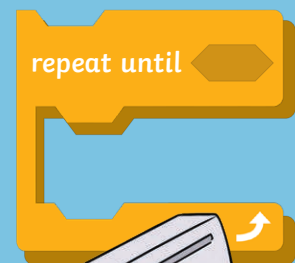
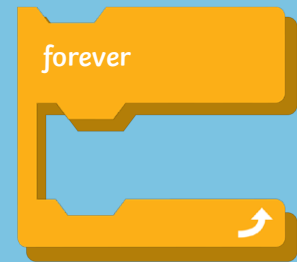
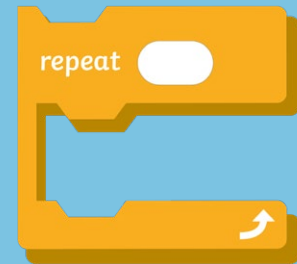




# Coding with Scratch: Learning Loops

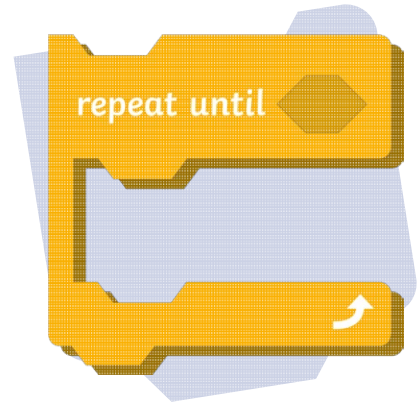
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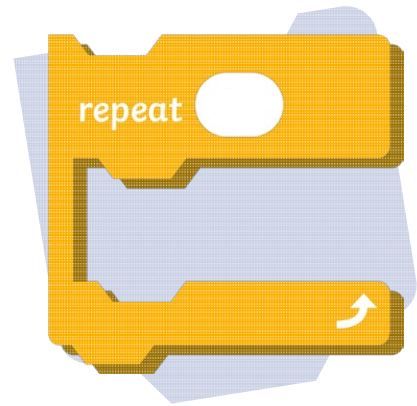




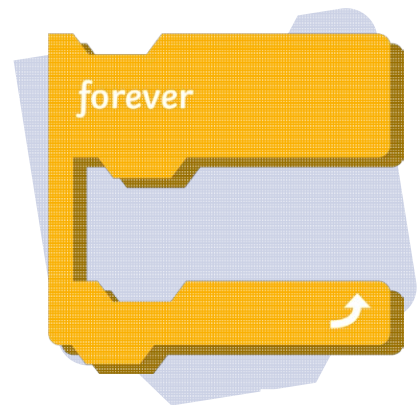
repeat  
until loop



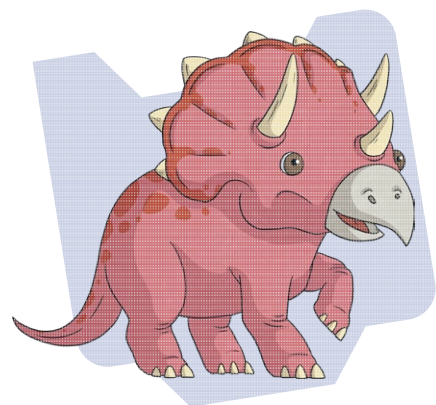
count-controlled  
loop



forever loop

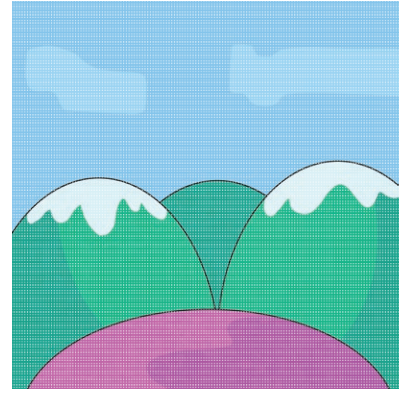


sprite

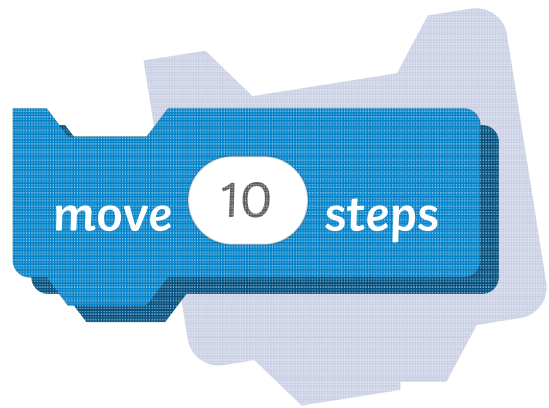




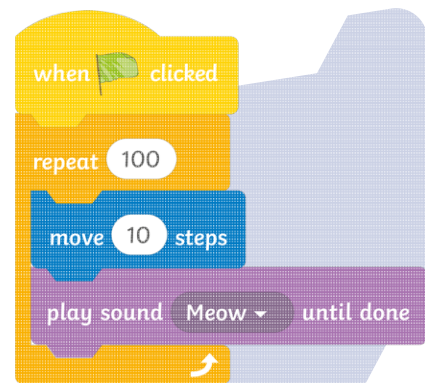
# backdrop



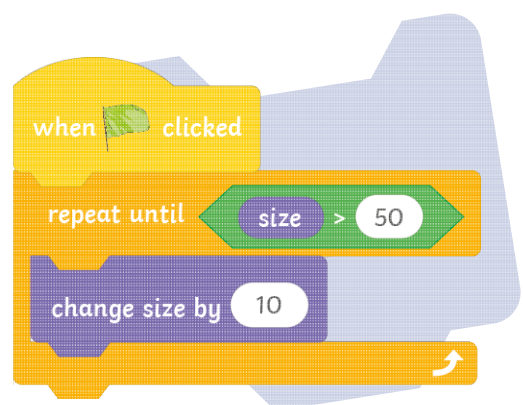
# block



# algorithm

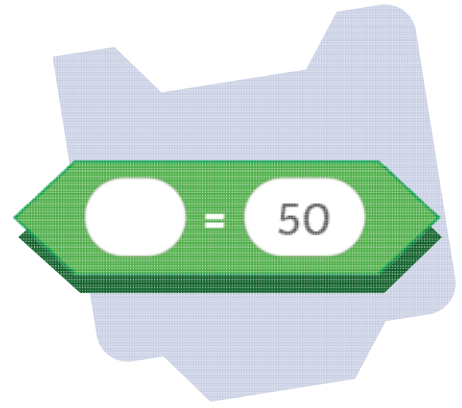


# condition





# Operators block

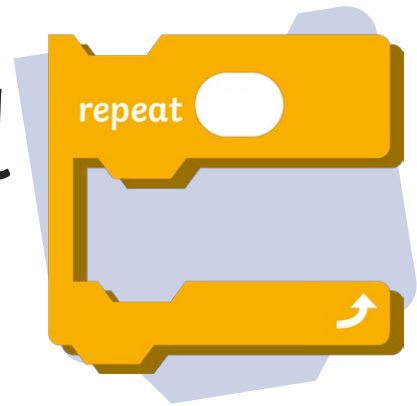




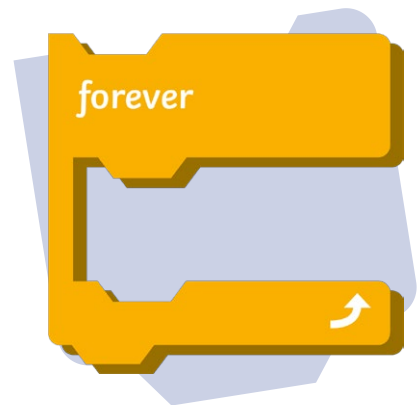
repeat  
until loop



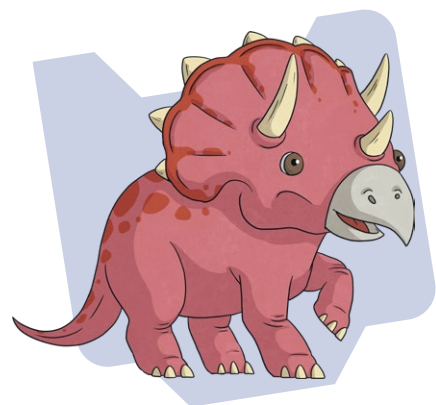
count-controlled  
loop



forever loop

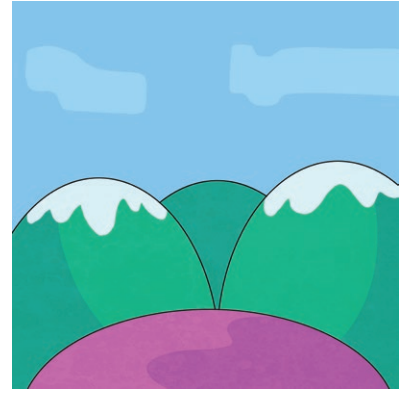


sprite





# backdrop



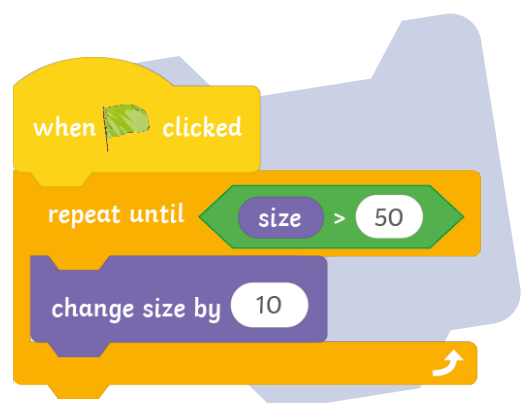
# block



# algorithm

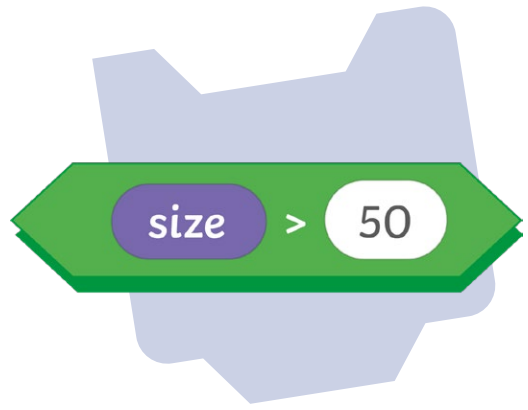


# condition





# Operators block





# Coding with Scratch: Learning Loops

r	f	s	c	u	s	t	o	m	i	s	e
e	a	l	g	o	r	i	t	h	m	b	e
p	e	t	s	p	r	i	t	e	d	h	d
e	c	h	a	e	h	i	d	e	b	u	g
a	o	c	o	r	a	r	u	x	l	q	c
t	n	o	b	a	c	k	d	r	o	p	o
u	d	u	m	t	e	m	y	c	c	u	d
n	i	n	u	o	x	w	s	n	k	n	i
t	t	t	n	r	e	b	t	n	n	l	n
i	i	e	c	s	c	r	a	t	c	h	g
l	o	o	p	l	y	l	g	q	w	x	r
y	n	o	u	f	o	r	e	v	e	r	e

repeat  
loop  
block  
customise

Operators  
coding  
condition  
until

count  
algorithm  
debug  
Scratch

sprite  
Stage  
backdrop  
forever



# Coding with Scratch: Learning Loops **Answers**

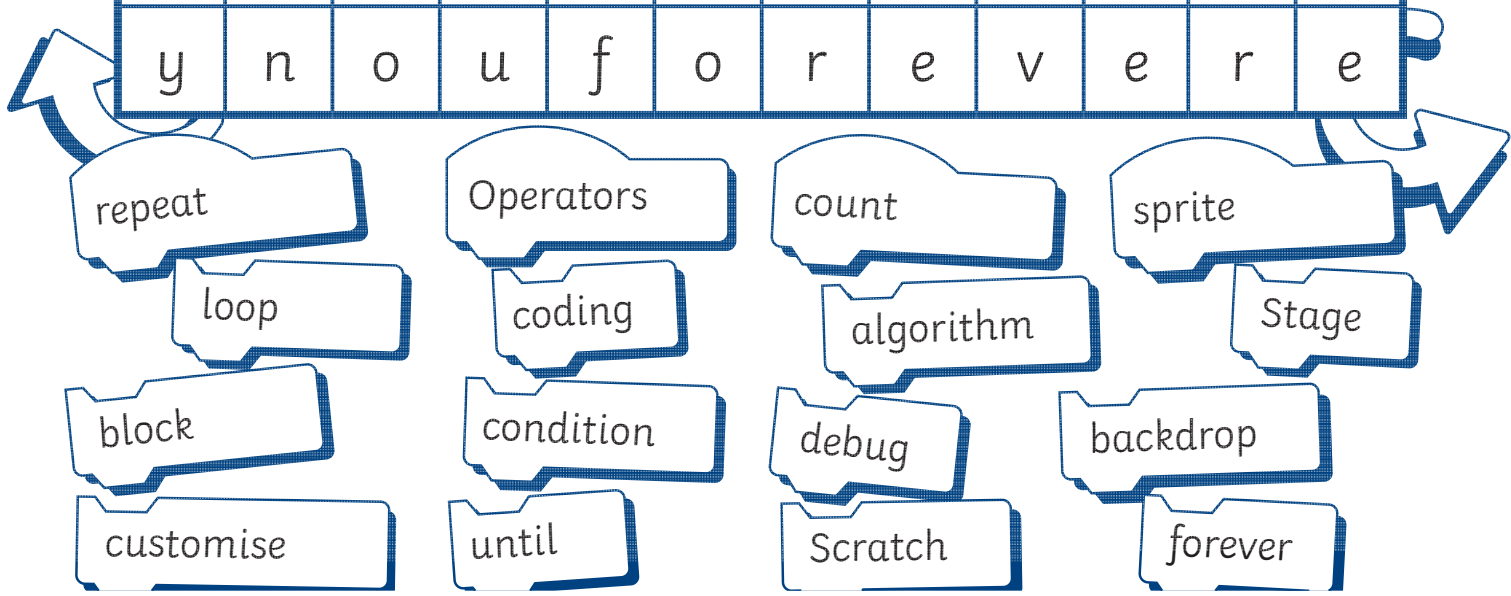
r	f	s	e	u	s	t	o	m	i	s	e
e	a	l	g	p	r	i	t	h	m	b	e
p	e	t	s	p	r	i	t	e	d	h	d
e	a	h	a	e	h	i	d	e	b	u	g
a	o	c	o	r	a	r	u	x	l	q	c
t	n	o	b	a	c	k	d	r	o	p	o
u	d	u	m	t	e	m	y	c	c	u	d
n	i	n	u	o	x	w	s	n	k	n	i
t	t	t	n	r	e	b	t	n	n	l	n
i	i	e	c	s	e	r	a	t	c	h	g
t	o	o	p	l	y	l	g	q	w	x	r
y	n	o	u	f	o	r	e	v	e	r	e

repeat	Operators	count	sprite
loop	coding	algorithm	Stage
block	condition	debug	backdrop
customise	until	Scratch	forever



# Coding with Scratch: Learning Loops

r	f	s	c	u	s	t	o	m	i	s	e
e	a	l	g	o	r	i	t	h	m	b	e
p	e	t	s	p	r	i	t	e	d	h	d
e	c	h	a	e	h	i	d	e	b	u	g
a	o	c	o	r	a	r	u	x	l	q	c
t	n	o	b	a	c	k	d	r	o	p	o
u	d	u	m	t	e	m	y	c	c	u	d
n	i	n	u	o	x	w	s	n	k	n	i
t	t	t	n	r	e	b	t	n	n	l	n
i	i	e	c	s	c	r	a	t	c	h	g
l	o	o	p	l	y	l	g	q	w	x	r
y	n	o	u	f	o	r	e	v	e	r	e





# Coding with Scratch: Learning Loops **Answers**

r	f	s	<del>c</del>	<del>u</del>	<del>s</del>	<del>t</del>	<del>o</del>	<del>m</del>	<del>i</del>	<del>s</del>	<del>e</del>
e	<del>a</del>	<del>l</del>	<del>g</del>	<del>p</del>	<del>r</del>	<del>i</del>	<del>t</del>	<del>h</del>	<del>m</del>	b	e
p	e	t	<del>s</del>	<del>o</del>	<del>r</del>	<del>i</del>	<del>t</del>	e	d	h	d
e	a	h	a	e	h	i	<del>d</del>	<del>e</del>	<del>b</del>	<del>u</del>	<del>g</del>
a	o	c	o	r	a	r	u	x	l	q	c
t	n	o	<del>b</del>	<del>a</del>	<del>c</del>	<del>k</del>	<del>d</del>	<del>r</del>	<del>o</del>	<del>p</del>	<del>o</del>
u	d	u	m	t	e	m	y	c	c	u	d
n	i	n	u	b	x	w	s	n	k	n	i
t	t	t	n	r	e	b	t	n	n	l	n
i	i	e	c	<del>s</del>	<del>c</del>	<del>r</del>	<del>a</del>	<del>t</del>	<del>c</del>	<del>h</del>	<del>g</del>
<del>t</del>	<del>o</del>	<del>o</del>	<del>p</del>	l	y	l	g	q	w	x	r
y	n	o	u	<del>f</del>	<del>o</del>	<del>r</del>	<del>e</del>	<del>v</del>	<del>e</del>	<del>r</del>	<del>e</del>

repeat	Operators	count	sprite
loop	coding	algorithm	Stage
block	condition	debug	backdrop
customise	until	Scratch	forever



# Coding with Scratch: Learning Loops

r	f	s	c	u	s	t	o	m	i	s	e
e	a	l	g	o	r	i	t	h	m	b	e
p	e	t	s	p	r	i	t	e	d	h	d
e	c	h	a	e	h	i	d	e	b	u	g
a	o	c	o	r	a	r	u	x	l	q	c
t	n	o	b	a	c	k	d	r	o	p	o
u	d	u	m	t	e	m	y	c	c	u	d
n	i	n	u	o	x	w	s	n	k	n	i
t	t	t	n	r	e	b	t	n	n	l	n
i	i	e	c	s	c	r	a	t	c	h	g
l	o	o	p	l	y	l	g	q	w	x	r
y	n	o	u	f	o	r	e	v	e	r	e

repeat  
loop  
block  
customise

Operators  
coding  
condition  
until

count  
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Scratch

sprite  
Stage  
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forever



# Coding with Scratch: Learning Loops **Answers**

r	f	s	e	u	s	t	o	m	i	s	e
e	a	l	g	p	r	i	t	h	m	b	e
p	e	t	s	p	r	i	t	e	d	h	d
e	a	h	a	e	h	i	d	e	b	u	g
a	o	c	o	r	a	r	u	x	l	q	c
t	n	o	b	a	c	k	d	r	o	p	o
u	d	u	m	t	e	m	y	c	c	u	d
n	i	n	u	o	x	w	s	n	k	n	i
t	t	t	n	r	e	b	t	n	n	l	n
i	i	e	c	s	e	r	a	t	c	h	g
t	o	o	p	l	y	l	g	q	w	x	r
y	n	o	u	f	o	r	e	v	e	r	e

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loop	coding	algorithm	Stage
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