

# Happy Birthday!

## CELEBRATE WITH CRICKETS CANDLES & CONFETTI!

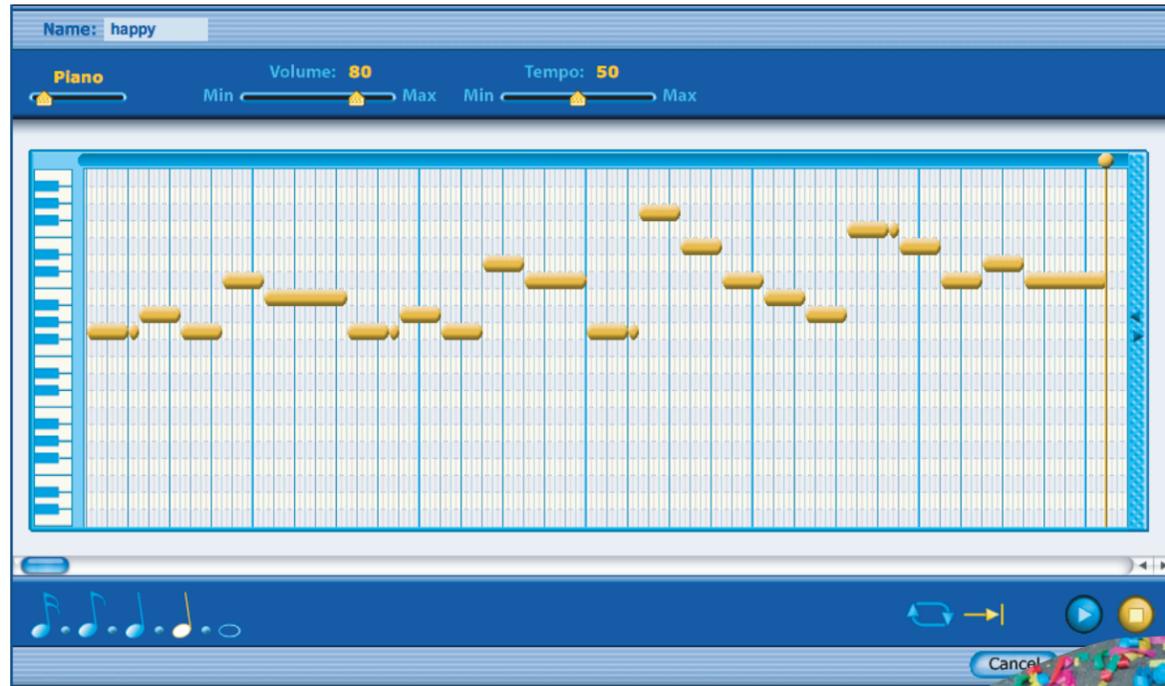
Make a wish and blow out programmable candles.



**Add a birthday tune**  
Use the melody editor to make a birthday song. Then add the new melody block to your program so that it plays after you blow out the candles.

```

setlight color
waituntil loud?
light off
wait 5
Happy
    
```



Try different instruments

**Creating the candles**  
Connect two lights and a loudness sensor to your Cricket.  
Use the wand to start the program.  
Try blowing into the loudness sensor to blow out the candles.

```

setlight color
waituntil loud?
light off
    
```

**Picking colors for the candles**  
You can make your candles turn two different colors. You can chose the colors randomly, so the candles look diiferent each time you run the program.

```

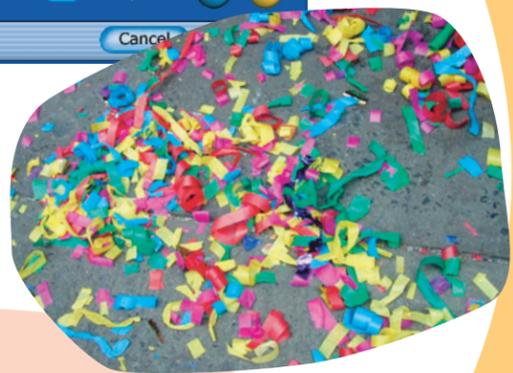
setlight color_A random 0 100
setlight color_B random 0 100
waituntil loud?
light off
    
```

**Making your candles flicker**  
You can make the candles flicker by repeatedly making them bright and dim.

```

repeat 10
  setlight power
  wait 1
  setlight power
  wait 1
    
```

How old are you now?



**Make confetti fly**  
Attach a paper plate to a motor and fill it with confetti. Add a PicoBlock to the prgram so that turns on the motor at the end of the song.

```

motor onfor 40
    
```