



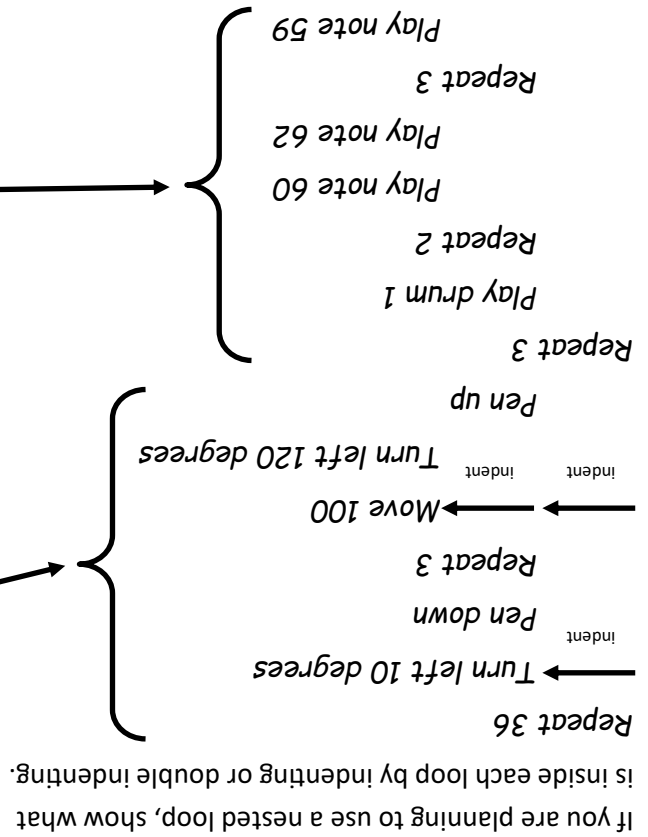
```

repeat 3
  play drum 1 for 0.25 beats
  repeat 2
    play note 60 for 0.5 beats
    play note 62 for 0.5 beats
  repeat 3
    play note 59 for 0.5 beats
  
```

```

repeat 36
  turn 10 degrees
  pen down
  repeat 3
    move 100 steps
    turn 120 degrees
  pen up
  
```

Programming Nested Loops



Nested Loop Algorithm

Debugging Nested Loops

Add extra wait blocks between every block of code. This will slow the program down and help you to see where the bug is.

Make a step by step list of what will happen.

- Turn left 10
- Pen down
- Move 100
- Turn right 120
- Move 100
- Turn right 120
- Move 100
- Turn right 120
- Pen up
- Turn left 10
- Pen down
- Move 100
- Turn right 120

```

repeat 36
  turn 10 degrees
  wait 1 secs
  pen down
  wait 1 secs
  repeat 3
    move 100 steps
    wait 1 secs
    turn 120 degrees
    wait 1 secs
  pen up
  wait 1 secs
  
```



Code-it Programming Knowledge Cards

Nested Repeat Loops

Loops inside loops

Everyday Nested loops

```

repeat 6
  repeat 5
    say One school day
  repeat 2
    say One Weekend Day
  
```

Showing one six week half term using nested loops.