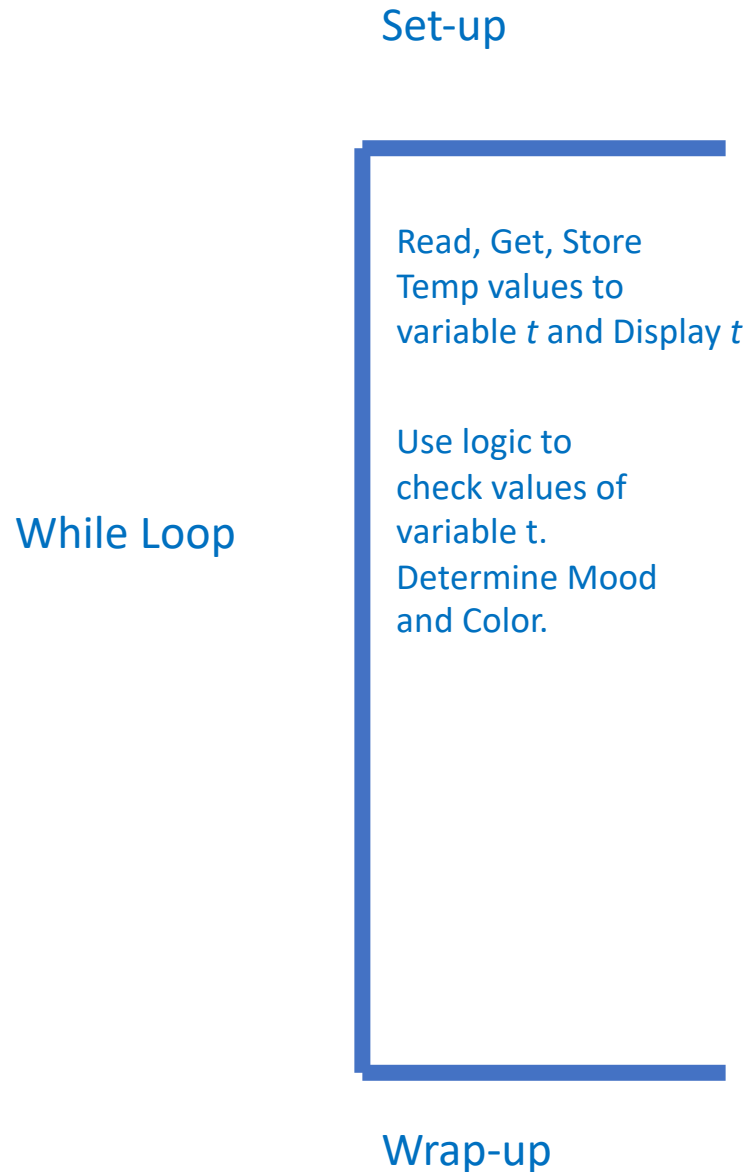


# Mood Ring STEM/STEAM Event Handout

# Digital Mood Ring Program for TI-Nspire



Define **moodevent()**=

Prgm

Send "CONNECT TEMPERATURE 1 TO IN1"

key=" "

DispAt 1,"Digital Mood Ring"

DispAt 8,"Press esc key to quit"

While key≠"esc"

key=getKey()

Send "READ TEMPERATURE 1"

Get t

DispAt 4,"Temperature =",t,"°C"

If t<24 Then

Send "SET COLOR 255 0 0"

DispAt 5,"You are STRESSED"

EndIf

If t≥24 and t<26 Then

Send "SET COLOR 255 100 175"

DispAt 5,"You are HAPPY"

EndIf

If t≥26 Then

Send "SET COLOR 0 255 150"

DispAt 5,"You are RELAXED "

EndIf

Wait 0.5

EndWhile

Send "SET COLOR 0 0 0"

EndPrgm

Change mood by editing text.

Change colors by editing values, 0 to 255, of RED GREEN BLUE.

Change temperature ranges by editing threshold values.

## Digital Mood Ring Program for TI-Nspire

**Edit the program to make it  
your own.**

```
Define moodevent()=  
Prgm  
Send "CONNECT TEMPERATURE 1 TO IN1"  
key=" "  
DispAt 1,"Digital Mood Ring"  
DispAt 8,"Press esc key to quit"  
While key≠"esc"  
  key=getKey()  
  Send "READ TEMPERATURE 1"  
  Get t  
  DispAt 4,"Temperature =",t,"°C"  
  If t<24 Then  
    Send "SET COLOR 255 0 0"  
    DispAt 5,"You are STRESSED"  
  EndIf  
  If t≥24 and t<26 Then  
    Send "SET COLOR 255 100 175"  
    DispAt 5,"You are HAPPY"  
  EndIf  
  If t≥26 Then  
    Send "SET COLOR 0 255 150"  
    DispAt 5,"You are RELAXED "  
  EndIf  
  Wait 0.5  
EndWhile  
Send "SET COLOR 0 0 0"  
EndPrgm
```

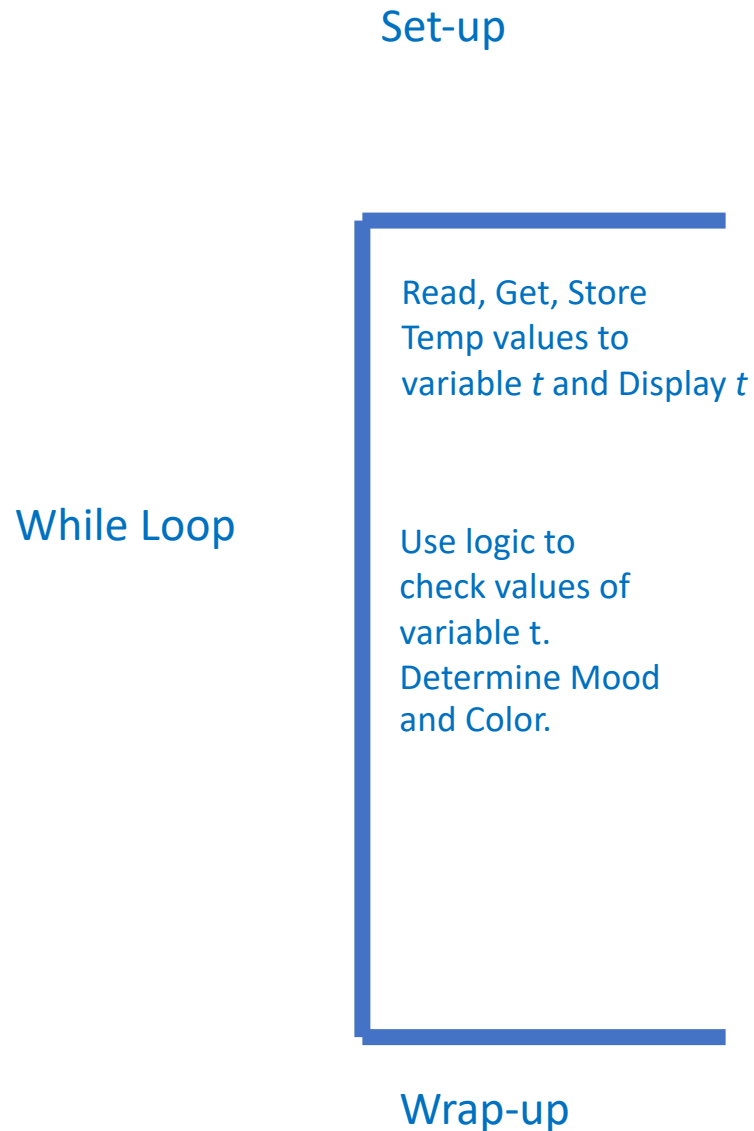
Change mood by editing text.

Change colors by editing values,  
0 to 255, of RED GREEN BLUE.

Change temperature ranges by editing  
threshold values.

# Mood Ring STEM/STEAM Event Handout – Halloween Edition

# Digital Mood Ring Program for TI-Nspire



```
Define mood1031(=
Prgm
Send "CONNECT TEMPERATURE 1 TO IN1"
key=" "
DispAt 1,"Digital Mood Ring"
DispAt 2,"Halloween Edition"
DispAt 8,"Press esc key to quit"
While key≠"esc"
key=getKey()
Send "READ TEMPERATURE 1"
Get t
DispAt 4,"Temperature =",t,"°C"
If t<24 Then
Send "SET COLOR 50 120 255"
DispAt 5,"You are a Zombie"
EndIf
If t≥24 and t<26 Then
Send "SET COLOR 255 0 0"
DispAt 5,"You are a Vampire"
EndIf
If t≥26 Then
Send "SET COLOR 160 42 42"
DispAt 5,"You are a Mummy "
EndIf
Wait 0.5
EndWhile
Send "SET COLOR 0 0 0"
EndPrgm
```

Change mood by editing text.

Change colors by editing values, 0 to 255, of RED GREEN BLUE.

Change temperature ranges by editing threshold values.

## Digital Mood Ring Program for TI-Nspire

**Edit the program to make it  
your own.**

```
Define mood1031(=
Prgm
Send "CONNECT TEMPERATURE 1 TO IN1"
key=" "
DispAt 1,"Digital Mood Ring"
DispAt 2,"Halloween Edition"
DispAt 8,"Press esc key to quit"
While key≠"esc"
  key=getKey()
  Send "READ TEMPERATURE 1"
  Get t
  DispAt 4,"Temperature =",t,"°C"
  If t<24 Then
    Send "SET COLOR 50 120 255"
    DispAt 5,"You are a Zombie"
  EndIf
  If t≥24 and t<26 Then
    Send "SET COLOR 255 0 0"
    DispAt 5,"You are a Vampire"
  EndIf
  If t≥26 Then
    Send "SET COLOR 160 42 42"
    DispAt 5,"You are a Mummy "
  EndIf
  Wait 0.5
EndWhile
Send "SET COLOR 0 0 0"
EndPrgm
```

Change mood by editing text.

Change colors by editing values,  
0 to 255, of RED GREEN BLUE.

Change temperature ranges by editing  
threshold values.