

温度のグラフ



The image shows a Scratch script designed to create a temperature graph. The script begins with a 'when green flag is clicked' event block. It then sets several variables: 'time interval' to 1, 'number of repetitions' to 80, 'current time' to 0, and 'step size' to 5. The graph is initialized by setting the x-coordinate to -200 and the y-coordinate to -120. The drawing process starts with clearing the canvas, setting the pen thickness to 2, the pen color to blue, and lowering the pen. A loop block repeats the following steps 80 times: it waits for the specified time interval, increments the x-coordinate by the step size, and sets the y-coordinate to the current temperature multiplied by 5, minus 120. Finally, it increments the current time by the time interval and loops back to the start of the loop.

```
Scratch Script: Temperature Graph  
1. when green flag is clicked  
2. time interval: 1  
3. number of repetitions: 80  
4. current time: 0  
5. step size: 5  
6. x-coordinate: -200, y-coordinate: -120  
7. clear canvas  
8. pen thickness: 2  
9. pen color: blue  
10. lower pen  
11. loop (80 repetitions):  
    - wait: time interval seconds  
    - x-coordinate: step size  
    - y-coordinate: temperature * 5 - 120  
    - current time: time interval  
12. loop ends
```