



What Time is it?

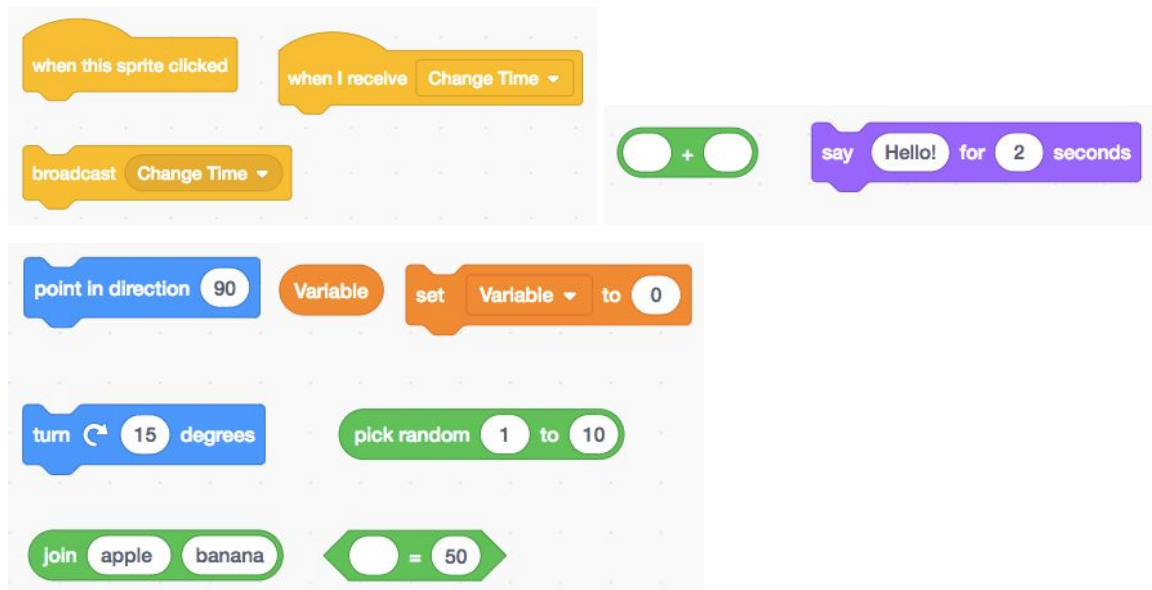
Project Goal:

Students will create a program that randomly moves the hands on a clock. The user will type in the time, then the program will tell them if they are correct or incorrect.

Standard: [CCSS.MATH.CONTENT.2.MD.C.7](https://curriculum.illustrativemathematics.org/HS-MATH-CONTENT-2-MD-C-7)

Tell and write time from analog and digital clocks to the nearest five minutes, using a.m. and p.m.

Blocks:



Student Handout: [What Time is It? Student Guide](#)

Teacher Video: [What Time is It? Teacher Guide](#)

#CSandMath





Solution:

Under the Hour Hand Sprite:

```
when I receive Change Time
point in direction 90
set hour to pick random 1 to 12
turn 30 + hour degrees
```

Under the Minute Hand Sprite:

```
when I receive Change Time
point in direction 90
set min to pick random 0 to 59
turn min * 6 degrees
```

Under the Change Time Sprite:

```
when this sprite clicked
broadcast Change Time and wait
set time to join hour join : min
ask What time is it? and wait
if answer = time then
  say You are correct! for 2 seconds
  change Score by 1
else
  say Sorry that is incorrect. Choose a new time. for 2 seconds
  change Score by -1
```

