

Boolean AND

AND means that both conditions need to be met to start something.



Everyday Boolean AND If you clean your bedroom and brush your hair, you can go swimming.
 If you work hard in class and revise for tests you will do well in life. Condition & Condition = Action

and - Both conditions need to be met to start something.

```
wait until touching color [green] ? and key a pressed?
```

The program can't continue until the sprite touches the colour green and the a key is pressed. **Both conditions need to be met.**

```
wait until key a pressed? and key s pressed? and key d pressed?
```

The program can't continue until the a key, s key and d key are pressed at the same time. **Three conditions need to be met.**

```
do forever
  if A is HI and B is HI then
    set sparkle 0 to [red]
    wait 1.0 seconds
    turn sparkle 0 off
  end if
loop
```

In this Crumble program both button A and button B must be pressed to turn the sparkle light on.



and and - Many conditions can be combined using AND. All of them would have to be met to start something.

MET	AND	MET	=	TRUE
MET	AND	NOTMET	=	FALSE
NOTMET	AND	MET	=	FALSE
NOTMET	AND	NOTMET	=	FALSE