

Overview

In coding, a **conditional statement** is a statement that only runs when certain conditions are met and can be phrased as “If...,then...” statements (E.g.- If it’s raining, then I will wear my rain jacket.).

CONDiTiONAL

a statement
that only runs
under certain
conditions or
situations



Instructions

The If/Then Coding Activity will require an open space and at least 3 people to play (one person will be the Programmer and the others will be computers).

The objective of the activity is for the computers to follow the Programmer’s commands using only conditional statements.

1. The Programmer will stand in front of the computers and call out commands using “If..., then...” conditional statements. For example: *“If I touch my nose, then you touch your knees.”*
2. The Programmer can either make up the conditional statements as the activity is played or decide on the conditional statements beforehand. You can use the action ideas on the next page to help you create conditional statements.
3. To make the activity more challenging, the conditional statements that are stated beforehand can allow the Programmer to do the action without saying the conditional statement out loud.
For example, if the conditional statement of *“If I touch my nose, then you touch your knees”* is stated before the activity starts, then the Programmer would touch their nose without saying anything and the computers would need to remember to touch their knees.
4. Multiple rounds of the activity can be played so that everyone has a turn at being the Programmer.

IF/THEN CODING ACTIVITY

Directions: The Programmer can make up their own conditional statements or use the action cards below for help.

1. If using the action cards, cut the cards out.
2. The Programmer can let the computers know about the conditional statements beforehand OR call out the conditional statements as the activity is played.

<i>If I _____,</i>	<i>then you _____.</i>
(The Programmer's action)	(The computers' action)

Hop on one foot



Do jumping jacks



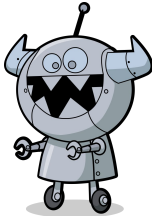
Dance



Bark like a dog



Act like a robot



Put hands on hips



Act asleep



Hop like a bunny



Run in place



Clap hands



Wave hands in the air



Sit down



Make your own!

Make your own!

Make your own!

Make your own!