

Basic Input/Output Sparkles

Control Variables Operators



Name: _____

program start

set A HI

motor 1 STOP

Crumble skills

if then

end if

Getting started	✓	Going well	✓	Cruising	✓
I understand how to:		I understand how to:		I understand how to:	
Connect the crumble and its battery		Use variables		Use random numbers for twinkling sparkles	
Wait in seconds		Wait in milliseconds		Connect and use analogue inputs	
Run and stop motors		Connect and use digital inputs		Connect and use a servo	
Use a 'do forever' loop		Use a 'do until' loop		Use > or < (Greater than or Less than)	
Switch Sparkles on and off, change their colour		Use a 'if.....then' command		Use a 'if....then....else' command	
Find out why it won't work ☹️		Count using variables		Help someone else to get theirs working	
		Use a 'dotimes' loop		Increase/decrease variables	
		Set Sparkles to amounts of red, green, blue		Use AND, OR, NOT logic	
				Connect and use a distance sensor	