

Lights, Lights, Lights Assessment Sheet LL7 Name

Class



I did this well



I did this ok or I did this a little



I tried this but it didn't work or I didn't do this at all

I created a picture that has lights in it.	
I drew a picture to show how my wiring connects together.	
I wired up my lights correctly.	
I replaced my picture lights with real lights.	
I programmed my lights.	
I listened to my partner's ideas.	
I contributed a good idea to my partner or group.	
I persevered when the wiring or programming didn't work.	

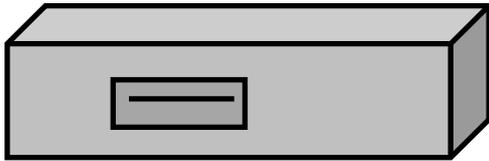
Sticker	I got this sticker for
Sticker	I got this sticker for
Sticker	I got this sticker for

Name _____ Class _____

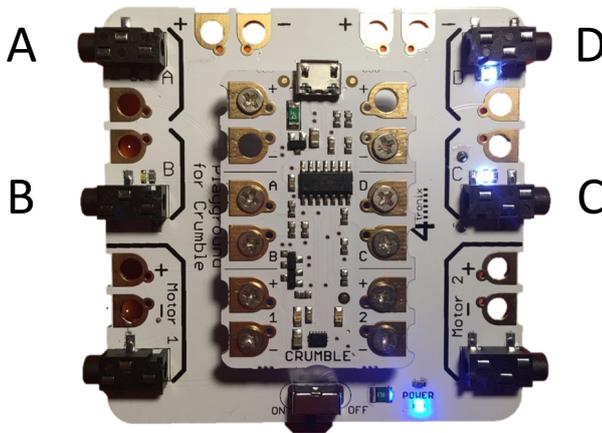
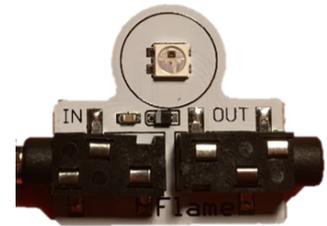
Thinking about wiring my crumble LL1

Draw lines to join the computer, crumble and light
Use the maker card to help you

Computer



Light



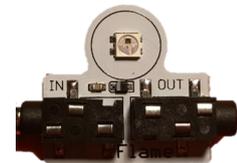
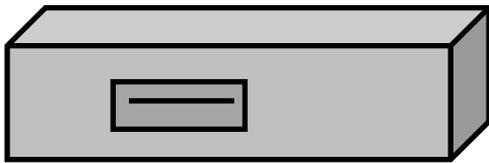
Power Switch
Crumble

Name _____ Class _____

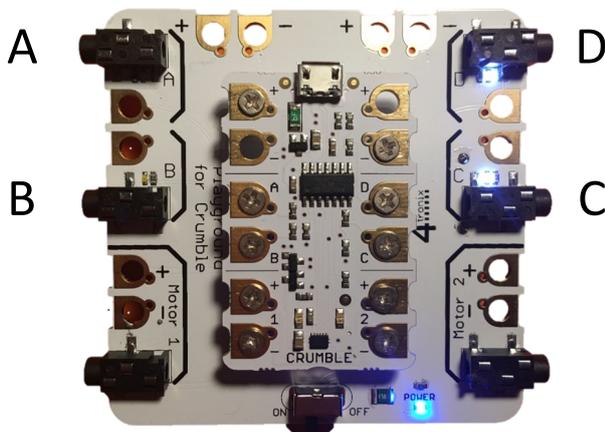
Thinking about wiring my crumble LL2

Draw lines to join the computer, crumble and lights
Use the maker card to help you

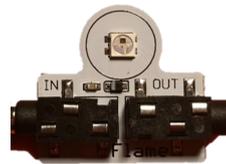
Computer



Second Light
Called Sparkle 1



Power Switch
Crumble



First Light
Called Sparkle 0

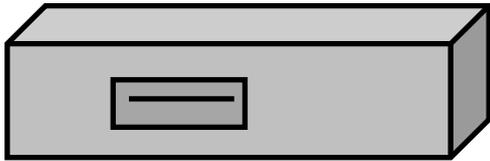
Can the programmable lights be plugged into port A, B or C? Yes or No

Name _____ Class _____

Thinking about wiring my crumble LL3

Draw lines to join the computer, crumble and lights
Use the maker card to help you

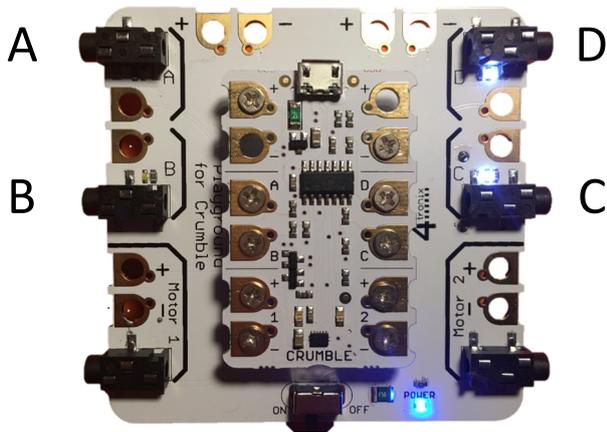
Computer



Second Light
Called Sparkle 1



First Light
Called Sparkle 0



Power Switch
Crumble

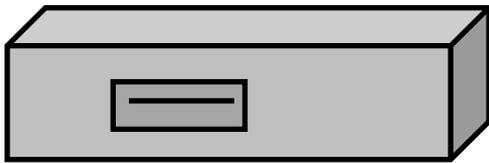
Can the programmable lights be plugged into port A, B or C? Yes or No

Name _____ Class _____

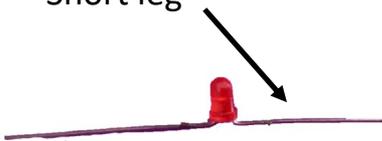
Thinking about wiring my crumble LL4

Draw lines to join the computer, crumble and lights
Use the maker card to help you

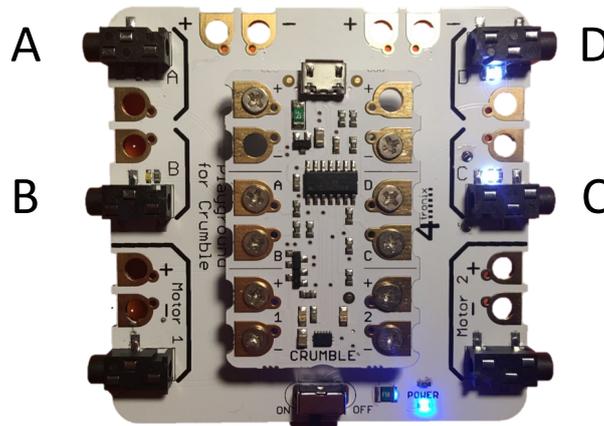
Computer



Short leg



Short legs



Power Switch

Crumble

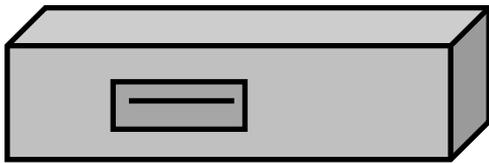
Can the LED lights be plugged into ports A, B, C or D? Yes or No

Name _____ Class _____

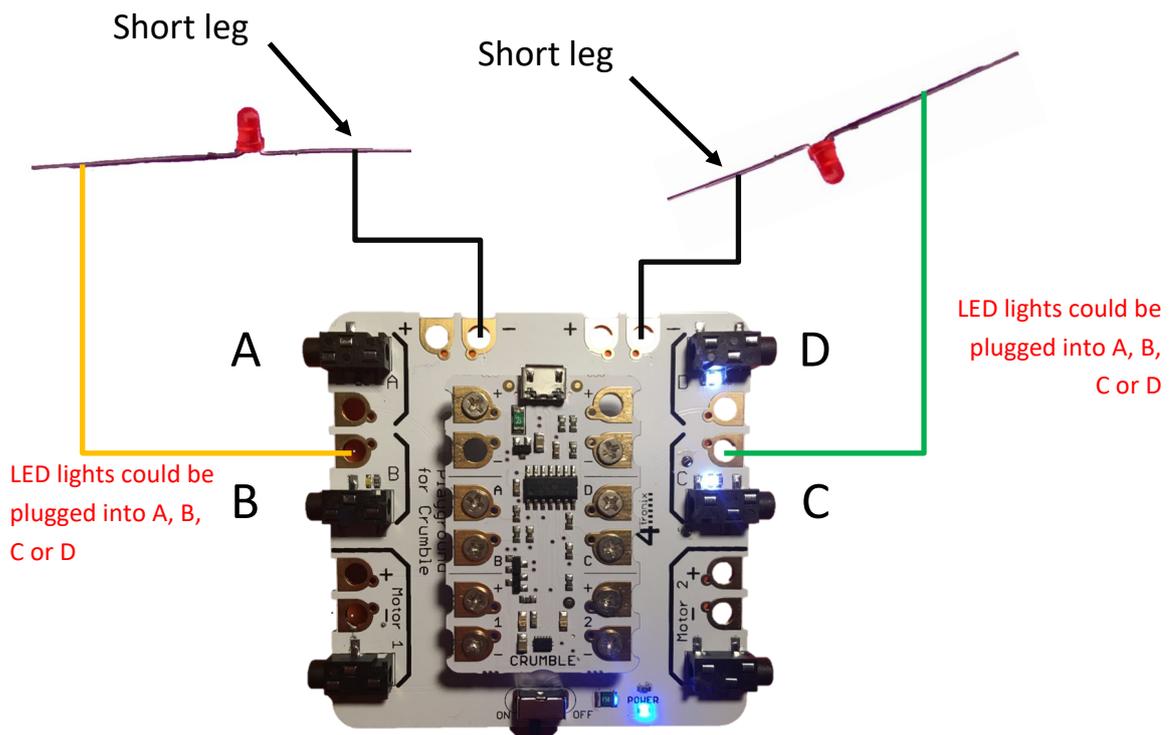
Thinking about wiring my crumble LL4A

Draw lines to join the computer, crumble and lights
Use the maker card to help you

Computer



LED's can be wired with the long leg going to the positive power out and short leg going to A, B, C or D



Power Switch
Crumble

Can the LED lights be plugged into ports A, B, C or D? Yes or No

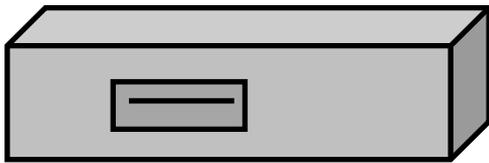
Yes

Name _____ Class _____

Thinking about wiring my crumble LL5

Draw lines to join the computer, crumble and lights
Use the maker card to help you

Computer



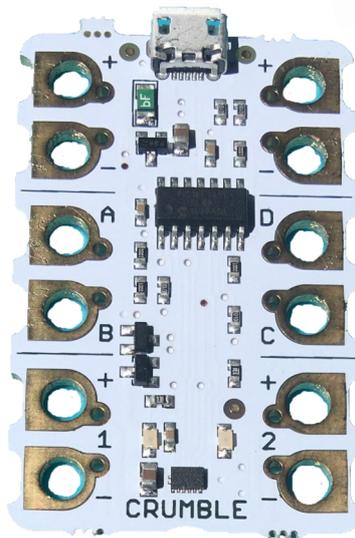
Short leg



Short leg



Battery Pack



Crumble

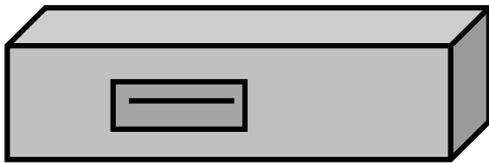
Can the LED lights be plugged into ports A, B, C or D? Yes or No

Name _____ Class _____

Thinking about wiring my crumble LL5

Draw lines to join the computer, crumble and lights
Use the maker card to help you

Computer



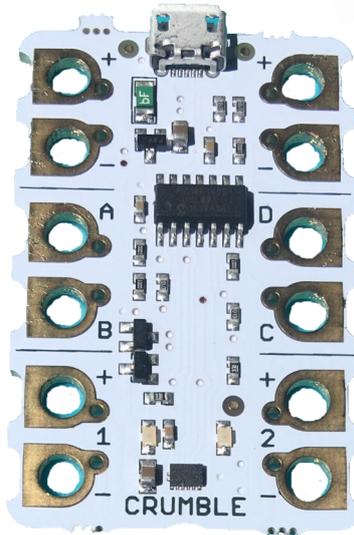
Short leg



Short leg



Battery Pack



Crumble

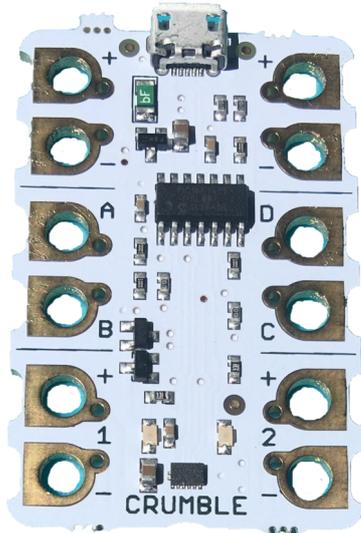
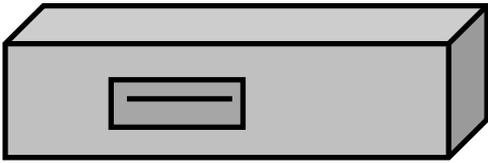
Can the LED lights be plugged into ports A, B, C or D? Yes or No

Name _____ Class _____

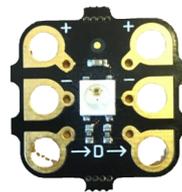
Thinking about wiring my crumble LL6

Draw lines to join the computer, crumble and lights
Use the maker cards to help you

Computer



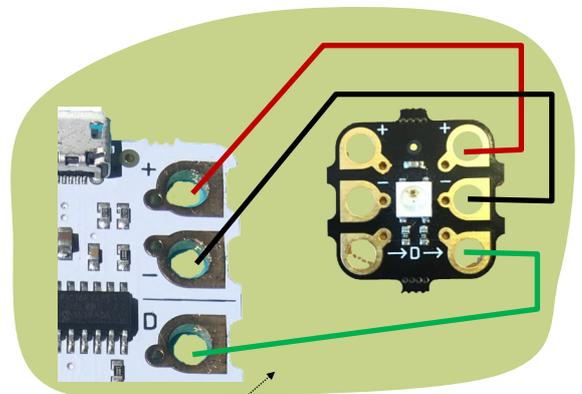
Crumble



First Light
Called Sparkle 0



Second Light
Called Sparkle 1



Could the wires be attached from the right hand side of the sparkle into the crumble as shown on the right?

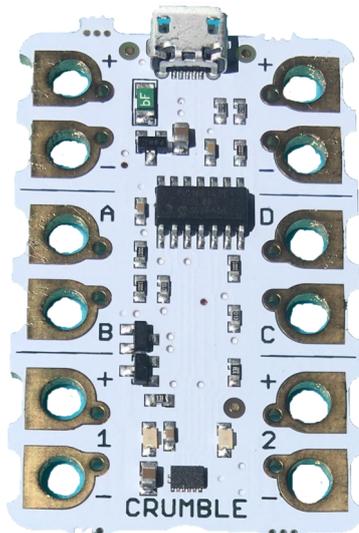
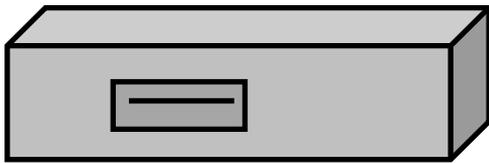


Name _____ Class _____

Thinking about wiring my crumble LL6

Draw lines to join the computer, crumble and lights
Use the maker cards to help you

Computer



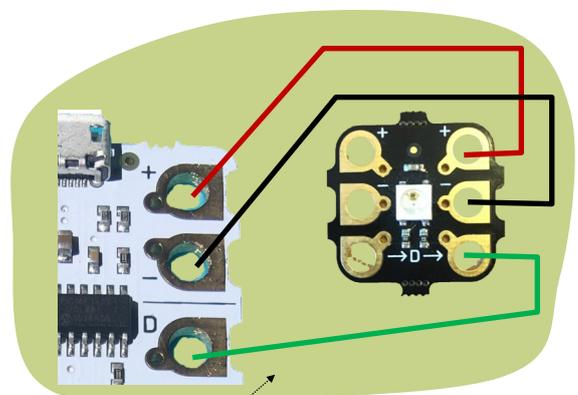
Crumble



First Light
Called Sparkle 0



Second Light
Called Sparkle 1



Could the wires be attached from the right hand side of the sparkle into the crumble as shown on the right?



Name _____ Class _____

LL8

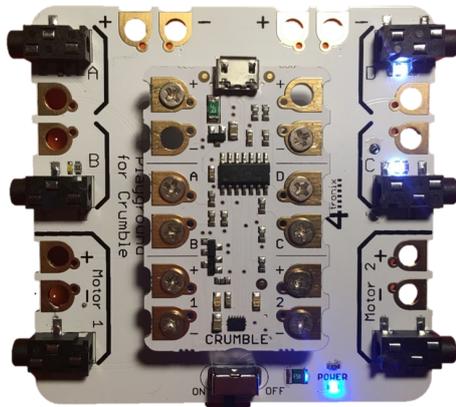
Thinking about designing my own project that uses lights

Fill in your idea and add your inputs and outputs to the chart.

My program will
by

What will the user see and do?

Input/ Output	Name of device attached	What the device does (include as much detail as possible)
D output	Seven Programmable Lights	Flash in an arrow pattern to point to an important notice.
A		
B		
C		
D		
Motor 1		
Motor 2		



Draw your devices and the wires that connect them.



Name _____ Class _____

LL9

Thinking about designing my own project that uses lights

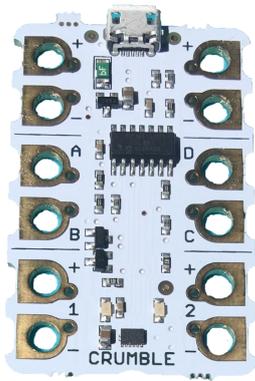
Fill in your idea and add your inputs and outputs to the chart.

My program will

by

What will the user see and do?

Input/ Output	Name of device attached	What the device does (include as much detail as possible)
D output	Seven Programmable Lights	Flash in an arrow pattern to point to an important notice.
A		
B		
C		
D		
Motor 1		
Motor 2		



Draw your devices and the wires that connect them.



Name _____ Class _____

LL9

Thinking about designing my own project that uses lights

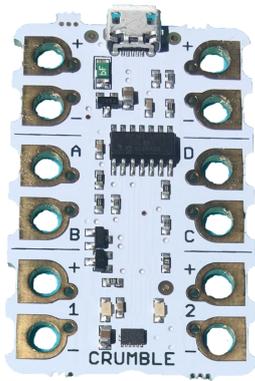
Fill in your idea and add your inputs and outputs to the chart.

My program will

by

What will the user see and do?

Input/ Output	Name of device attached	What the device does (include as much detail as possible)
D output	Seven Programmable Lights	Flash in an arrow pattern to point to an important notice.
A		
B		
C		
D		
Motor 1		
Motor 2		



Draw your devices and the wires that connect them.