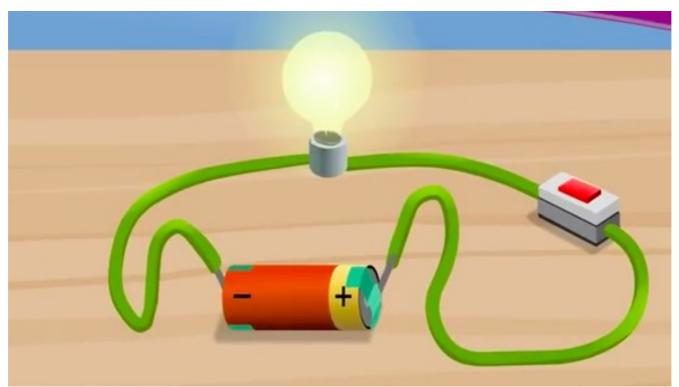


#### **9DGT Course**

## House Keeping

- Get to know the location of DGT resources: tools, equipments and electronic components that you are going to use in your DGT sessions.
- Know the pack-up procedure.
- Component storage is behind left side whiteboard students do not access this unless they have teachers permission

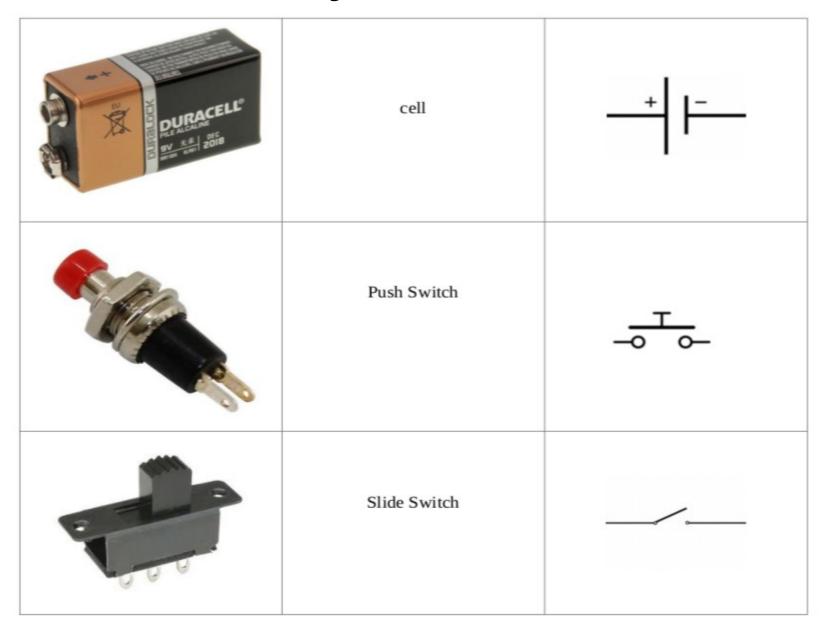
# Lets start with a simple electric circuit

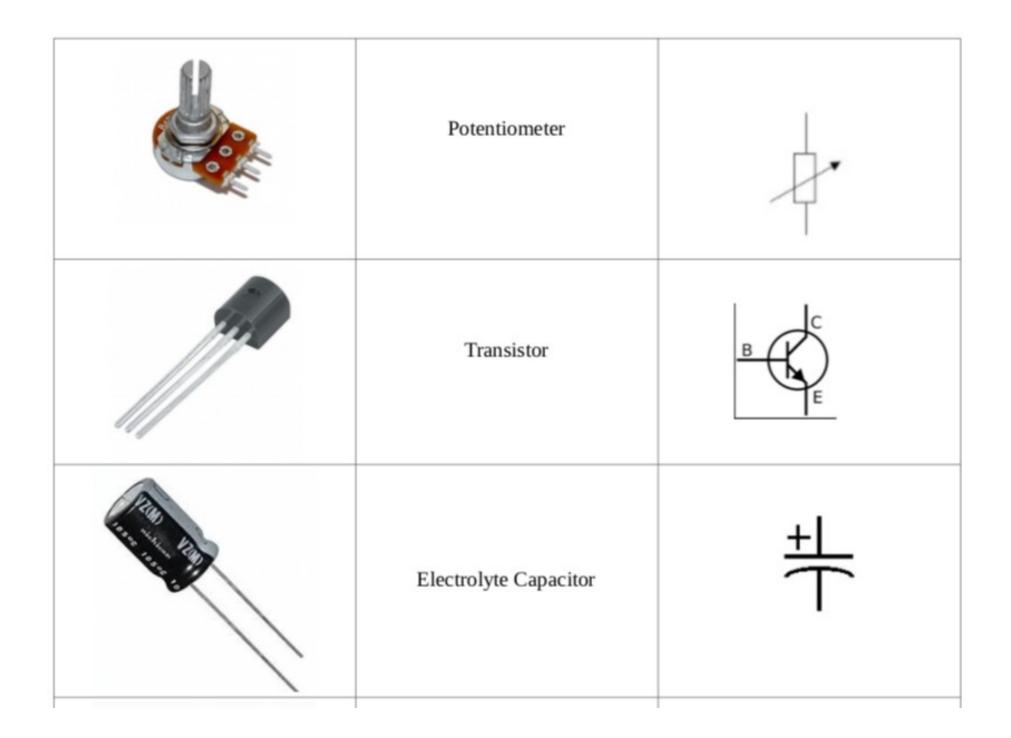


• Click to watch

https://www.youtube.com/watch?v=VnnpLaKsqGU&t=75s

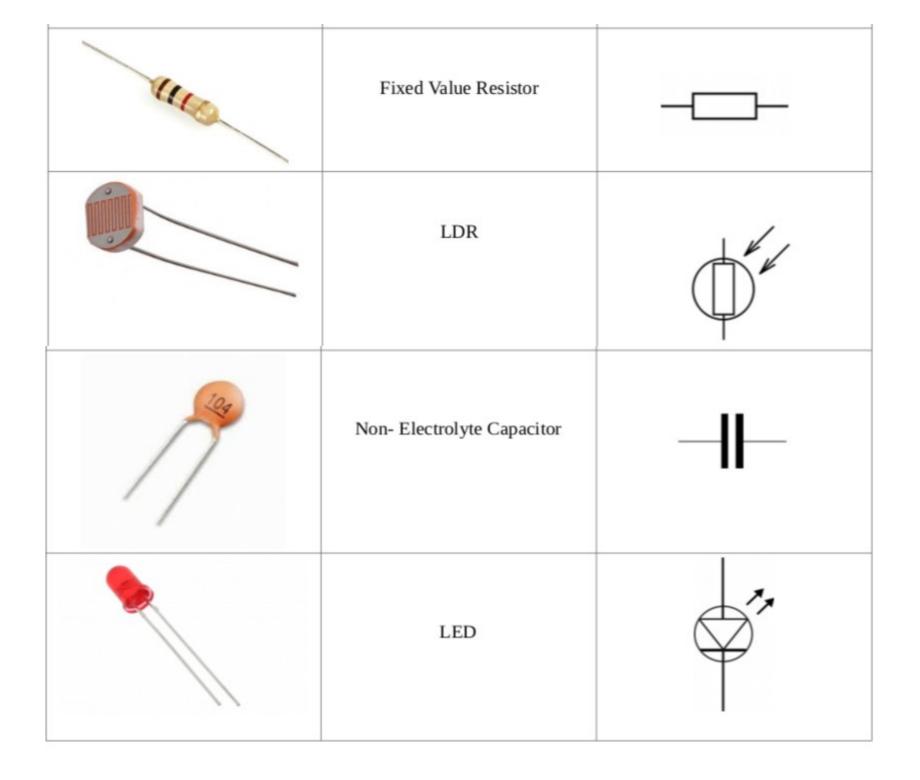
# Electronic components and their symbols





#### Electronic Components – Symbols and names

Image	Component Name	Symbol
S 1828	555 timer	1 18 2 19 3 17 3 16 4 15
	speaker	[[]»))
	buzzer	



## BYOD

Each student must have a device?

Software and websites:

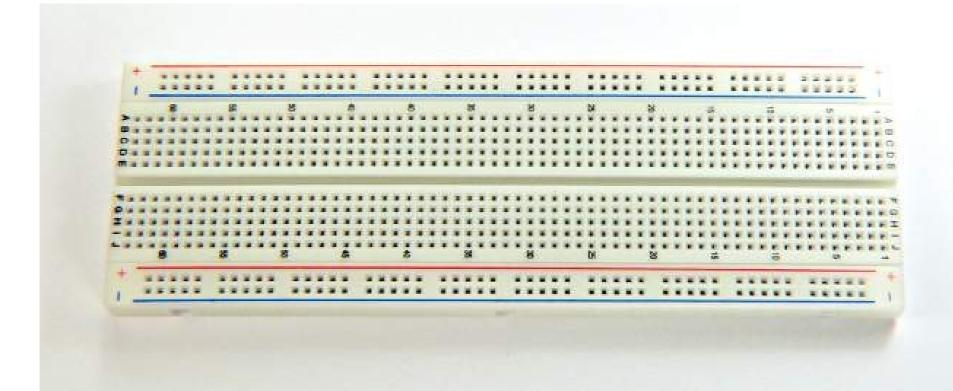
- Begin by finding website Technology Student bookmark this page.
- http://www.technologystudent.com/index.htmThen click on electronics
- 2- Visit https://www.tinkercad.com/circuits to design electronic circuits and then simulate to visualize the outcome.

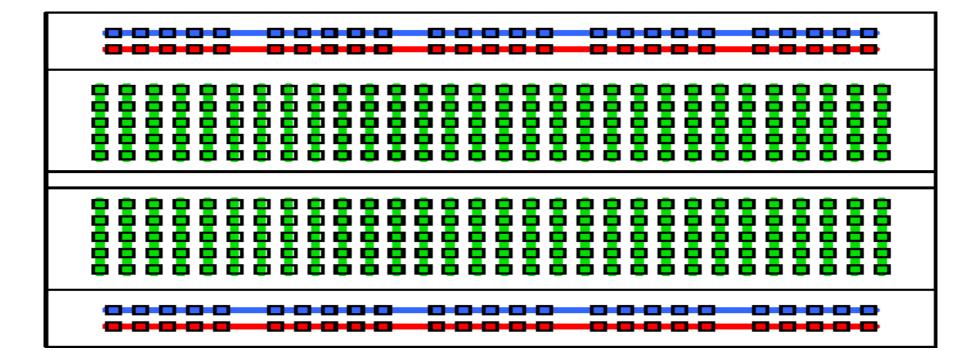
### Batteries LEDs and simple circuit

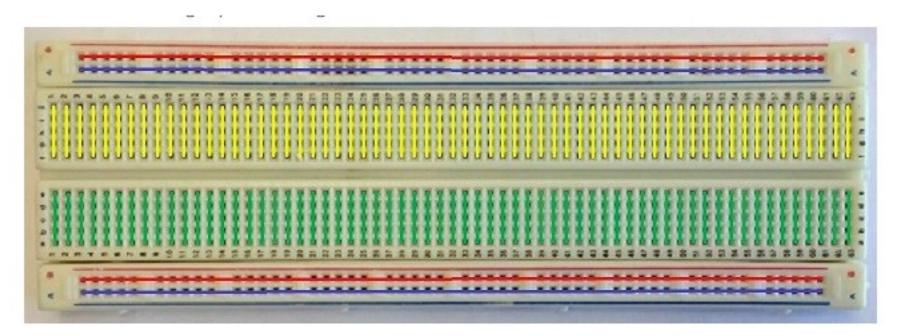
 http://www.technologystudent.com/elec1/battery 1.htm

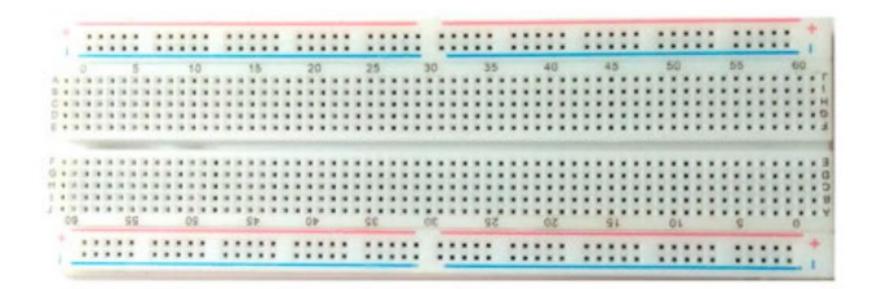
### Breadboards

 http://www.technologystudent.com/elec1/bread1 .htm









				-	-										_	1	1								2.1	_	_			•	-		_	_	 _					_		•				
:	:			-		1			1	1			:	:				1	-	1		-	=	-	1			:		:	1	Ż		0		:		:	ł	ł	ł	1	:	:	2	
					and the second se	Contraction of the local distance of the loc			Contraction of the local division of the loc					 					and the second se					3												 	Sec							· · · · · · ·		
					and the second s		Contraction of the local distribution of the		States and a state of the state														*****	-						-		200	1000			 										
:	2	-	-	-	Ż	-	1	-	-	2	:	:	:	:	:			:			1	-	-	-				:	100	•	::		:	100		:	-	:	5		-		:			

# Simple LED Circuit on Breadboard with 330 ohms resistor

			•••••			
	8	45	20	23	9	
			• • • • •	:::::	* * * * * *	•
9v				• • • • •	• • • • •	• =
					•••••	• •
			* * * * * *	• • • • •	*****	• •
				• • • • •	• • • • •	● ∪ ● ~
			* * * * *		* * * * *	• <
		45	50	S	9	
• • • • • •		• • • •	•••••	••••	••••	

### **Teachers expectations:**

- •Safety first (Listen Understand act)
- Arrive to class on time.
- Work hard. Do not waste your time.
- Complete and hand in assignments on time
- Show respect and care for the school equipment, students and teachers