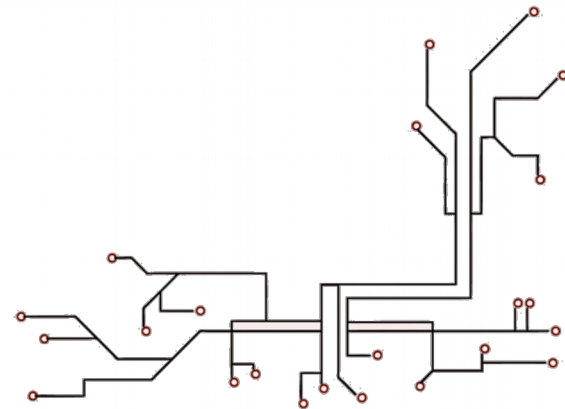
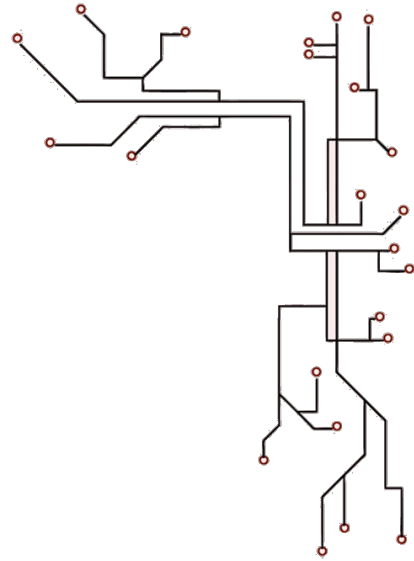


MAKING

SMART

DEVICES

A POSTERIORI  
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# What is Making???

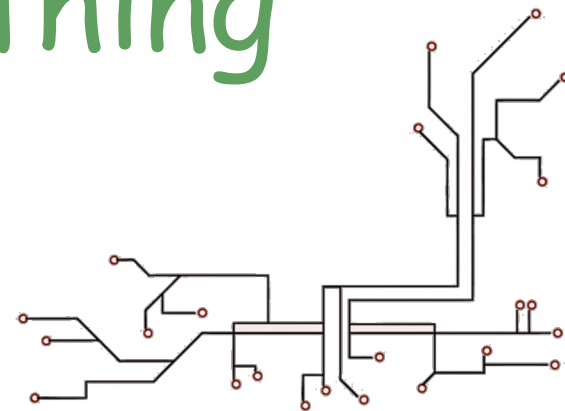
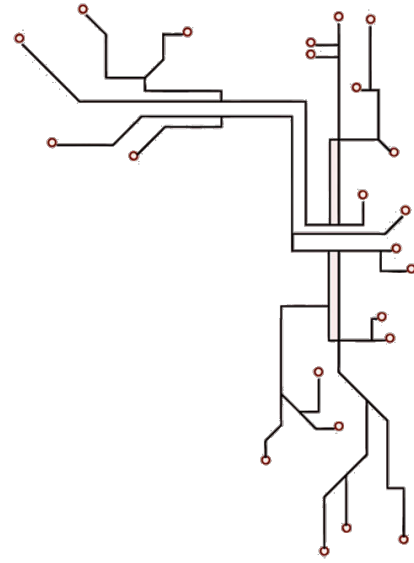
## The Act

## of

## Creating Something

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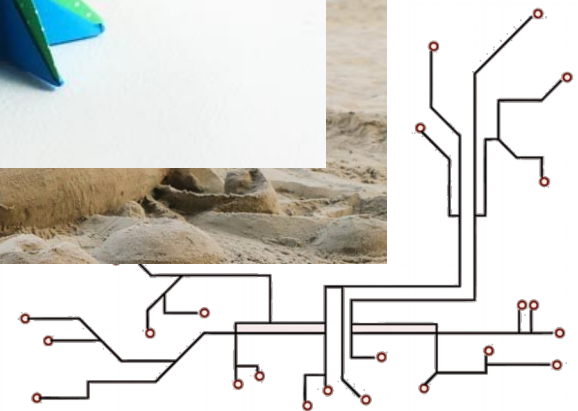
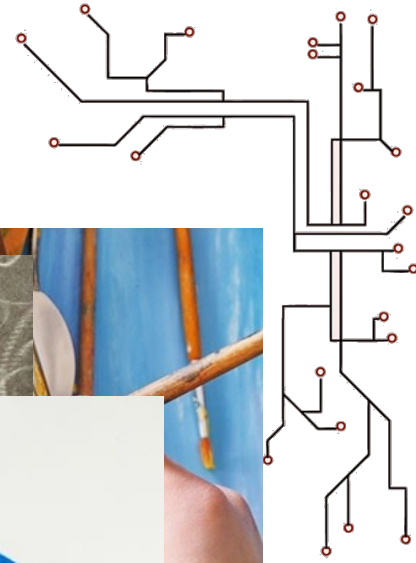


# How Do You Make?



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# MakerSpace

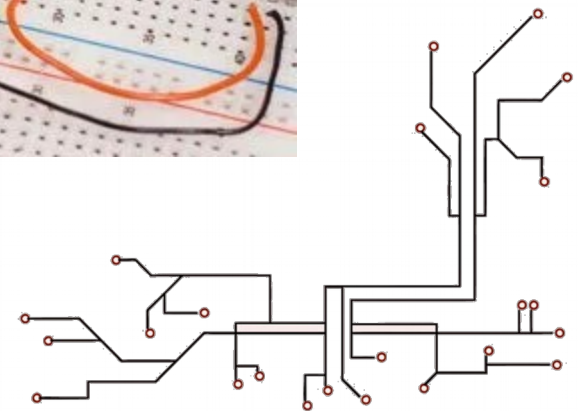
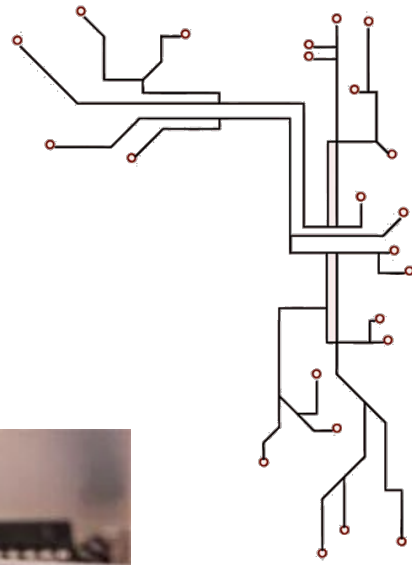
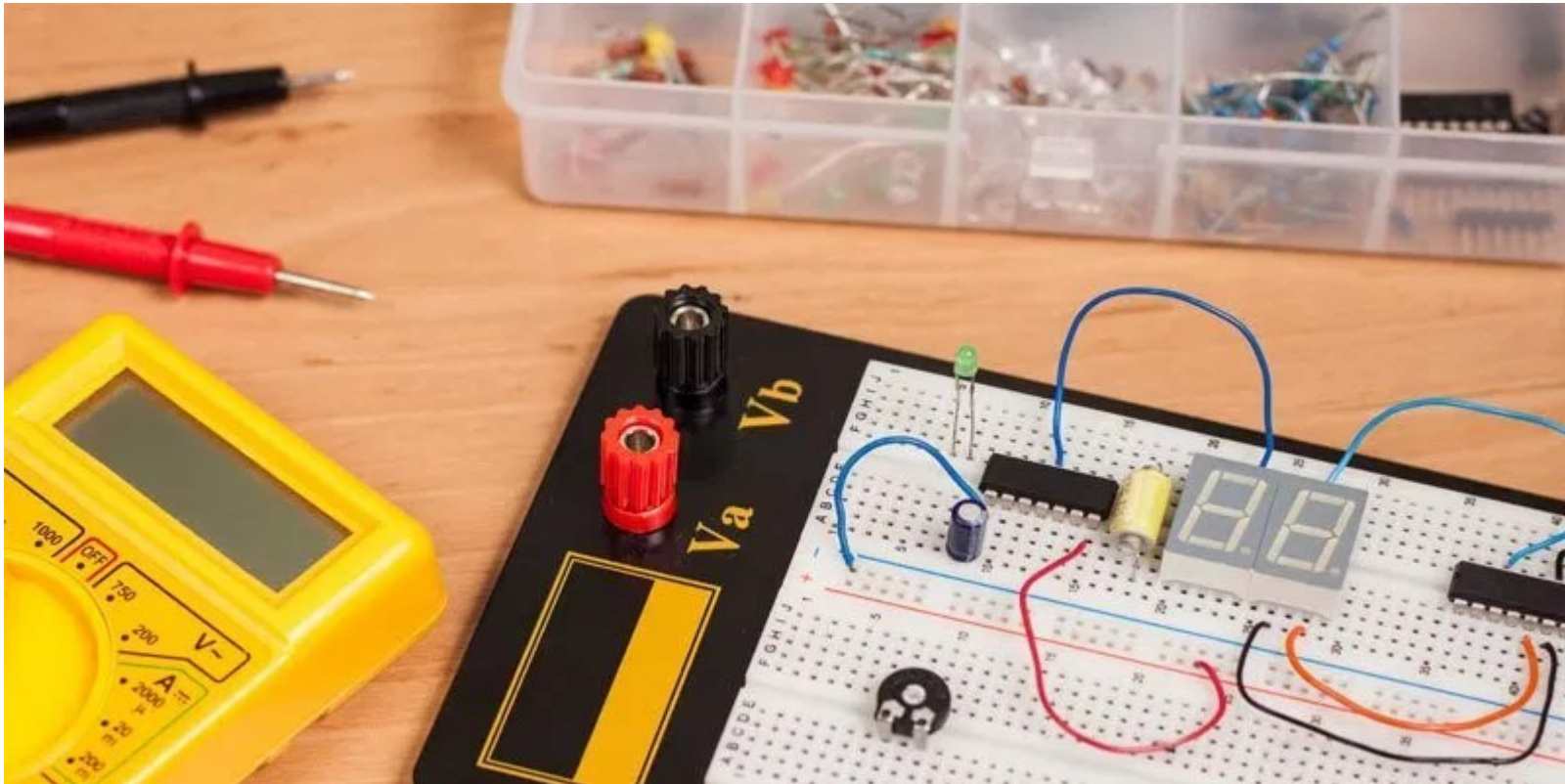


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# Electronic MakerSpace

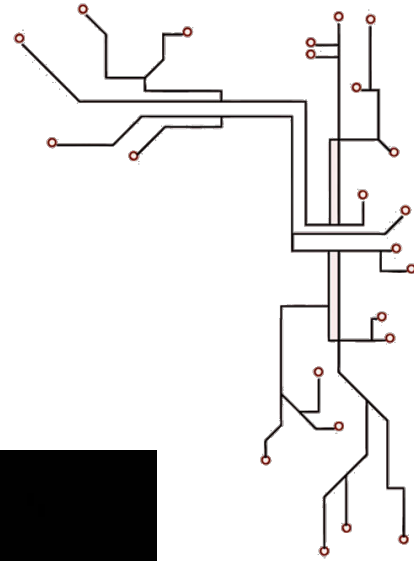
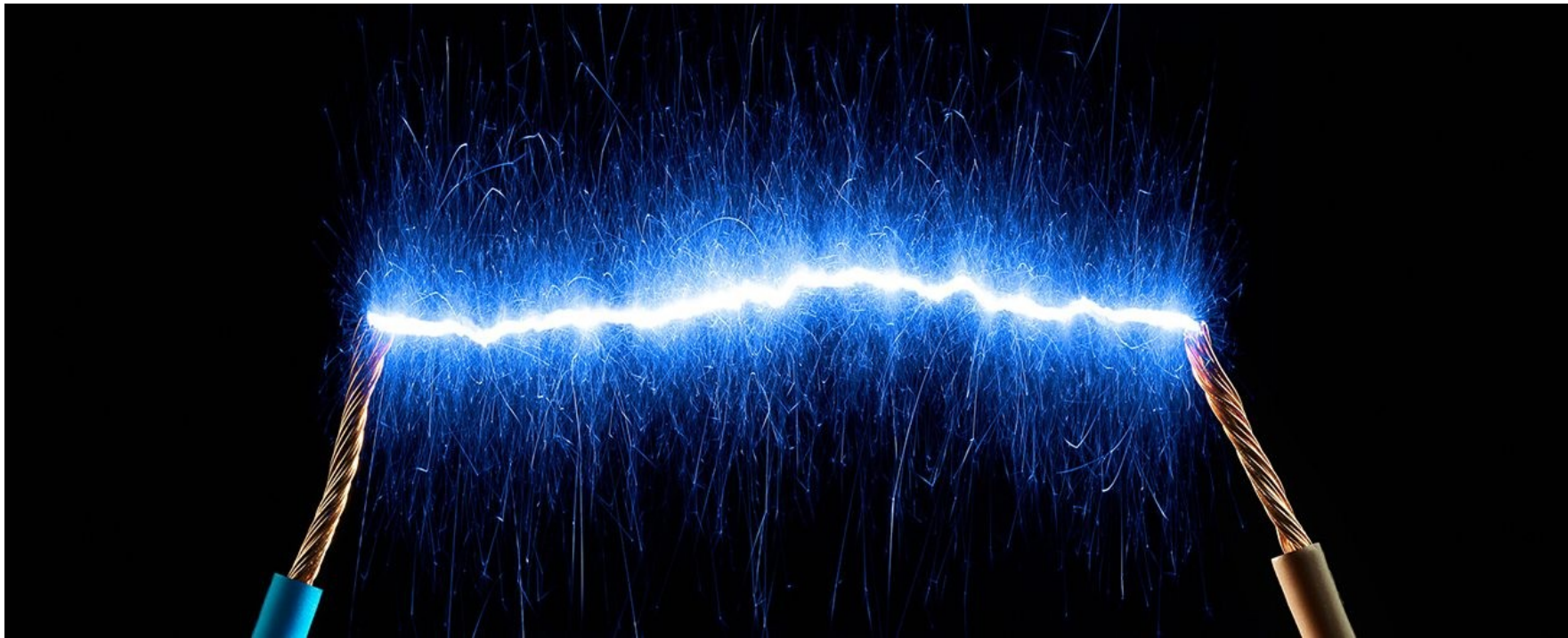
Use Electricity & Electronics to make...



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Play · Experience · Learn

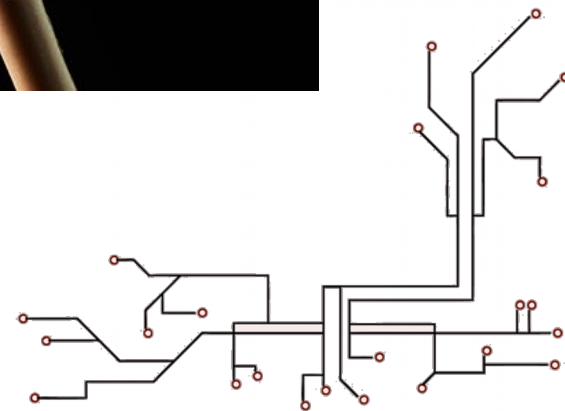


# What is Electricity?

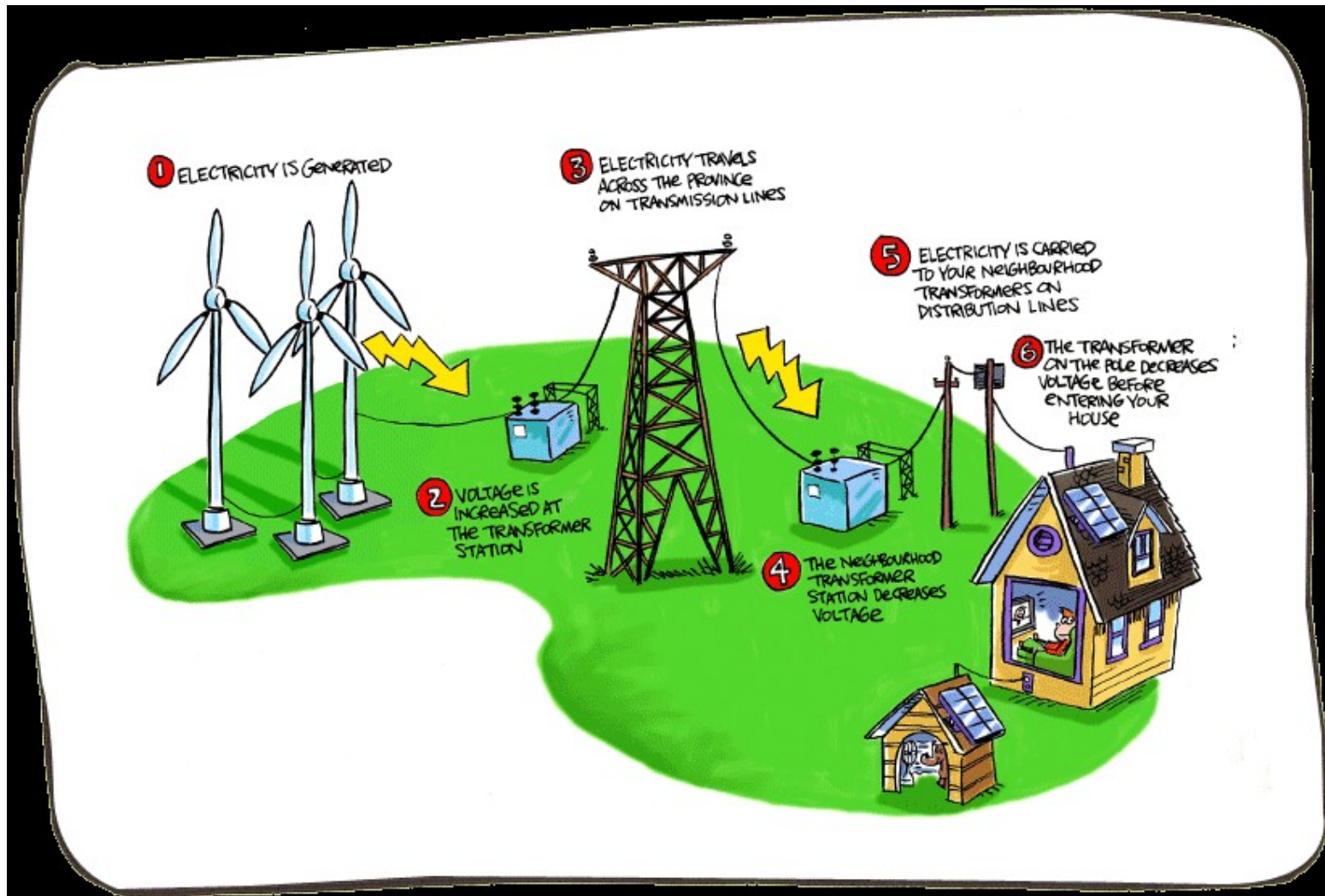


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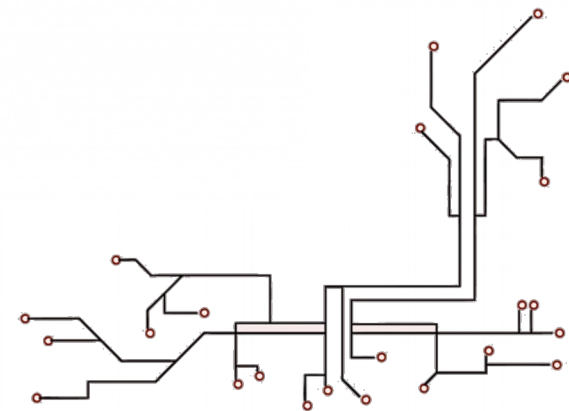
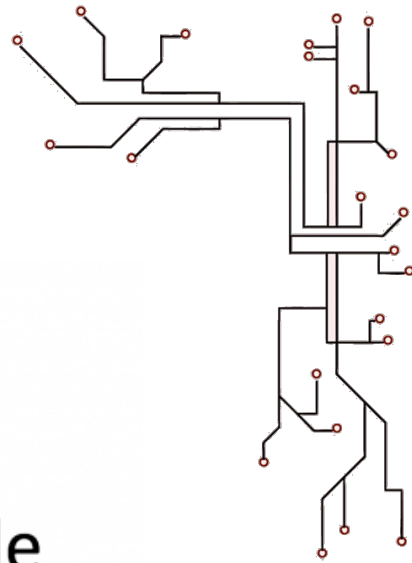
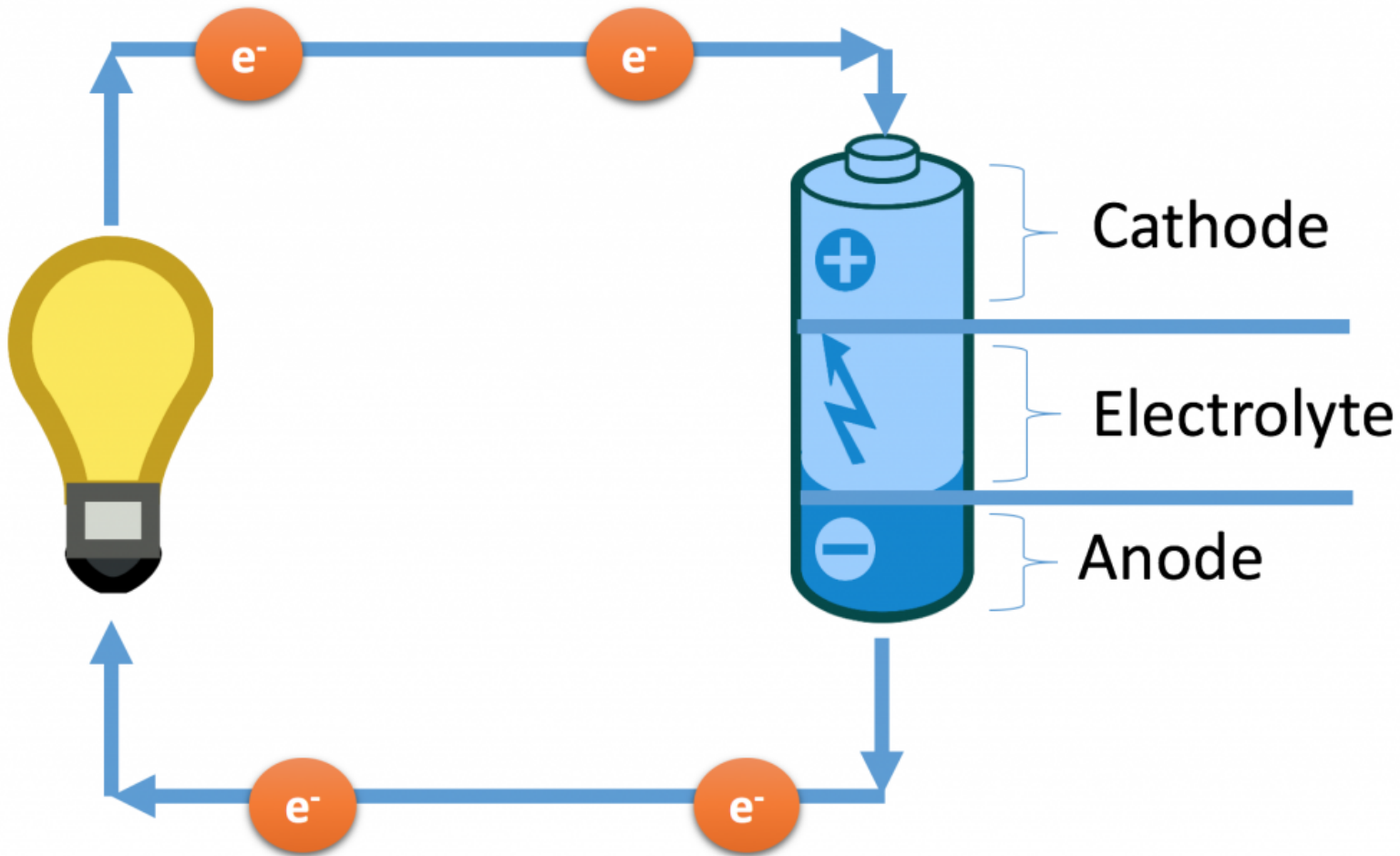
# What is Electricity?



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# Let's Get Some Electricity!

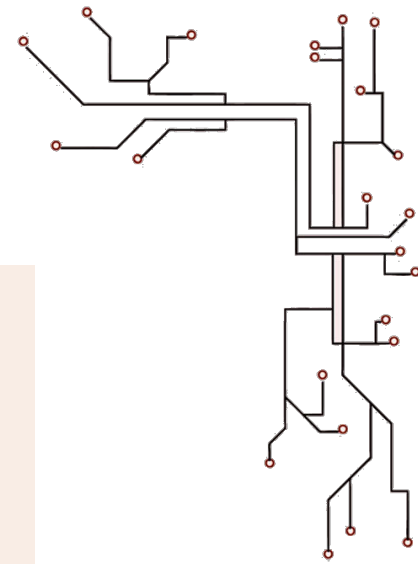


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# Conductors & Insulators



## 5 Electrical Conductors



silver



gold



copper



steel



sea water

## 5 Electrical Insulators



rubber



glass



oil



diamond

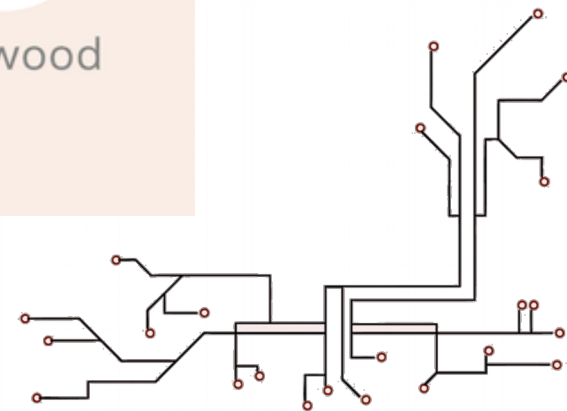


dry wood

ThoughtCo.

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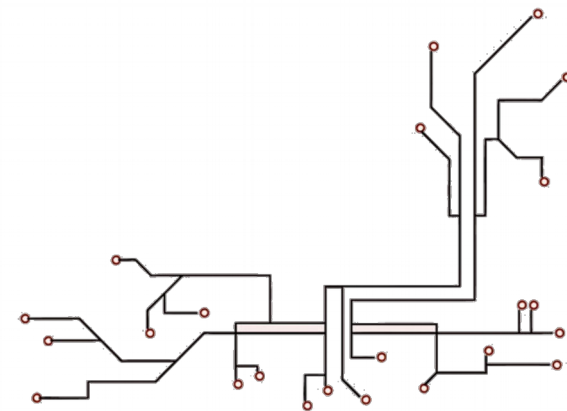
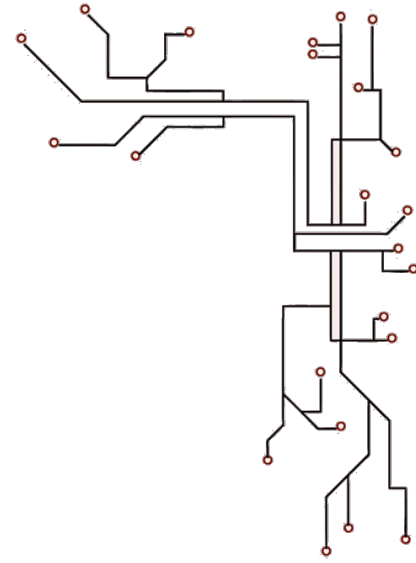


# Semi-Conducutors

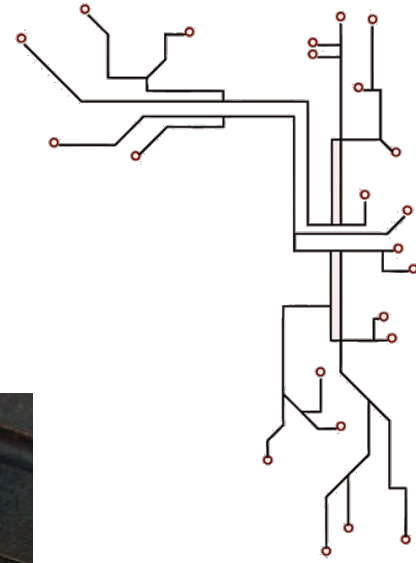
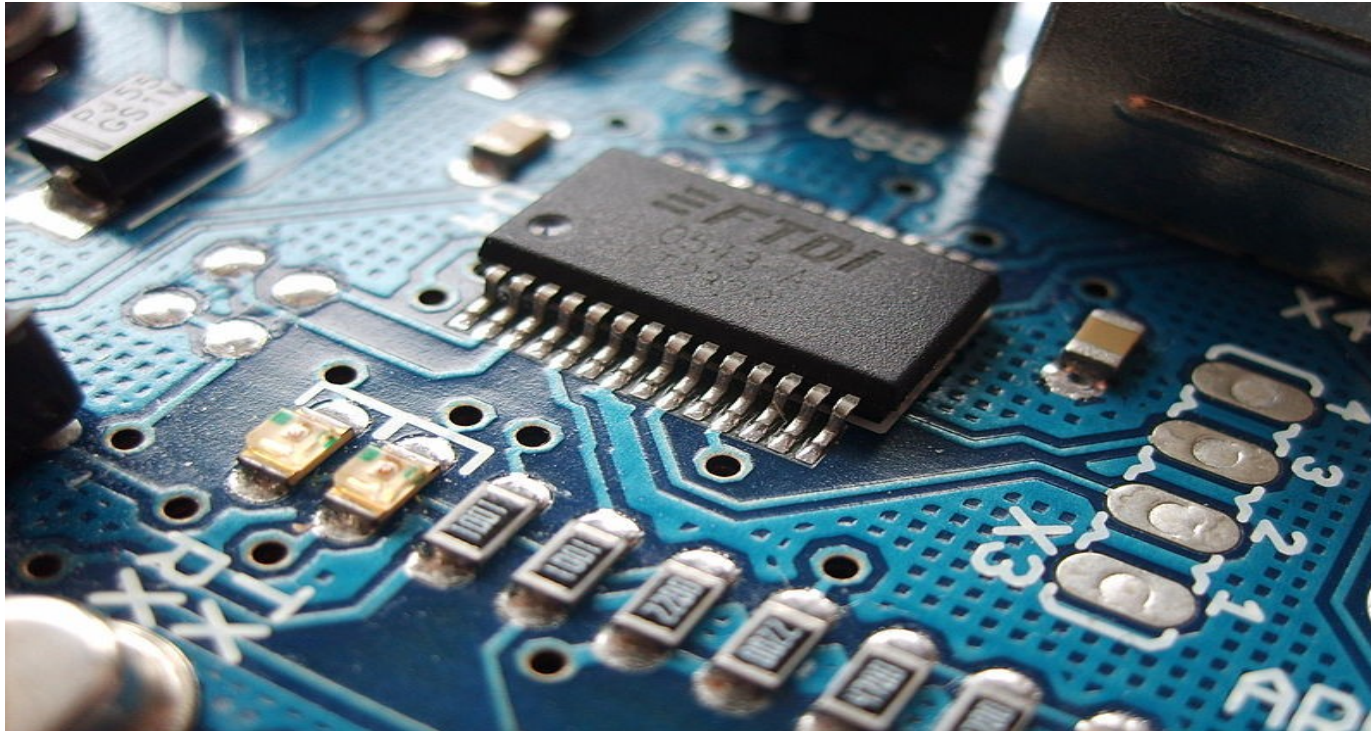


**A POSTERIORI**

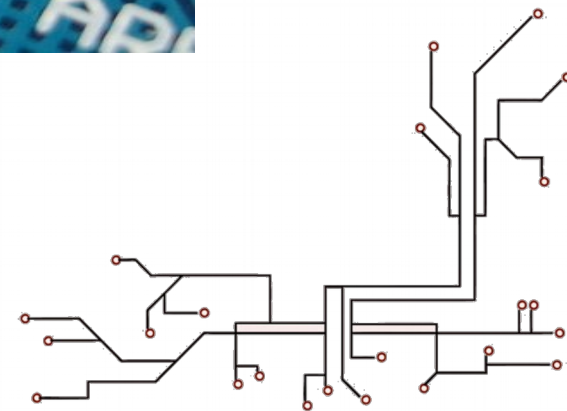
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# Electronics

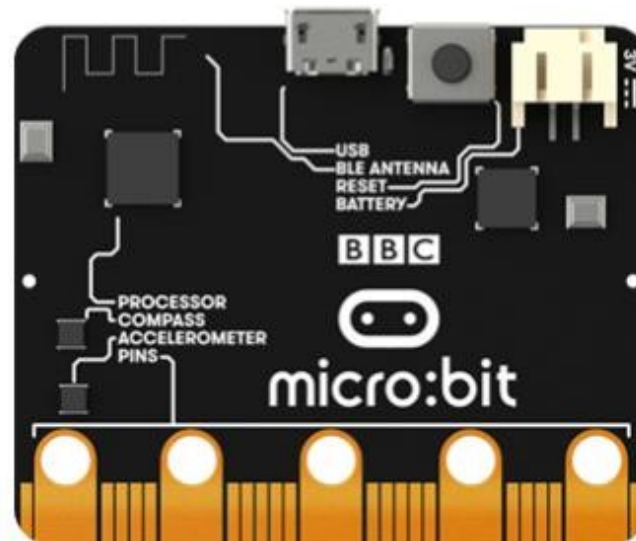
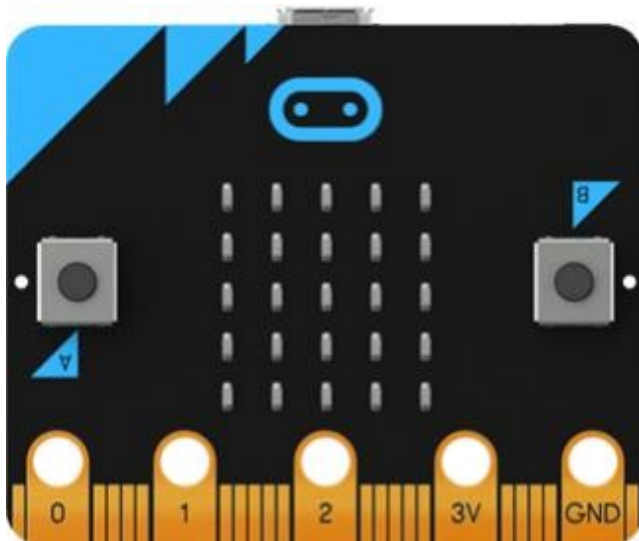


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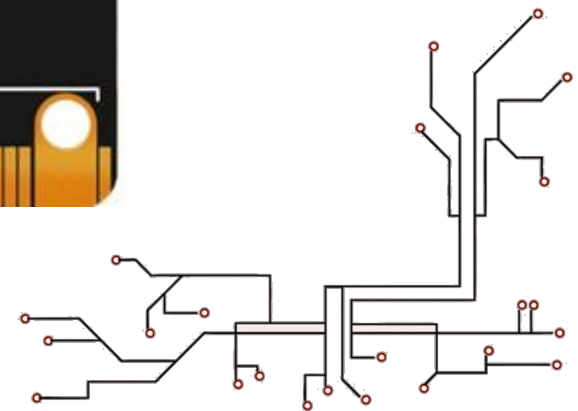
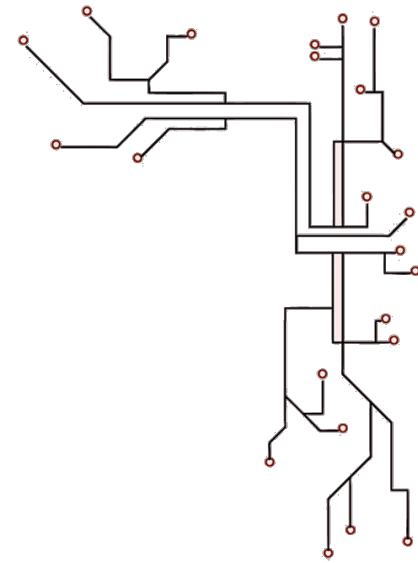


# Now, Let's Meet the micro:bit!



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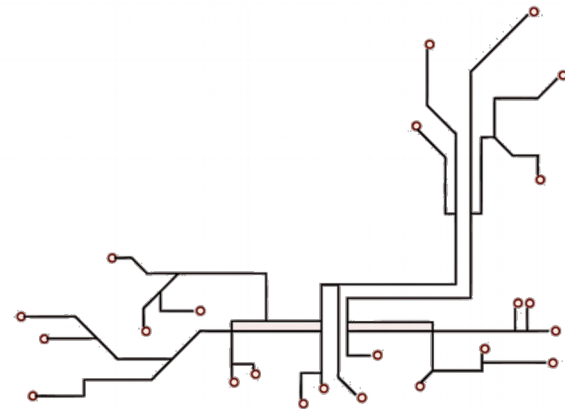
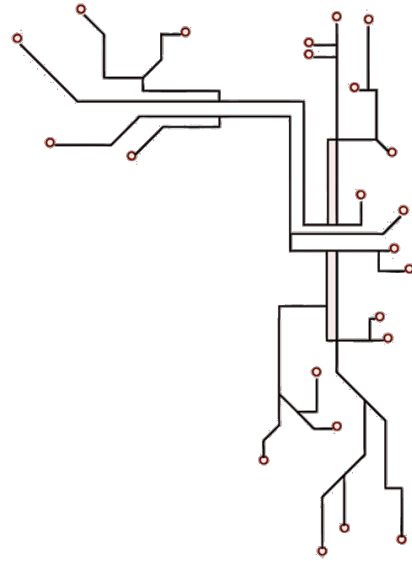


# ACTIVITY

Make a Name Tag!  
(Start a New Project, Save)

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ACTIVITY

Add Button Input!  
(User Input)

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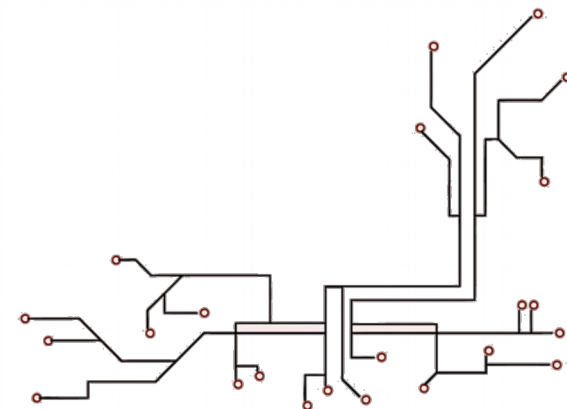
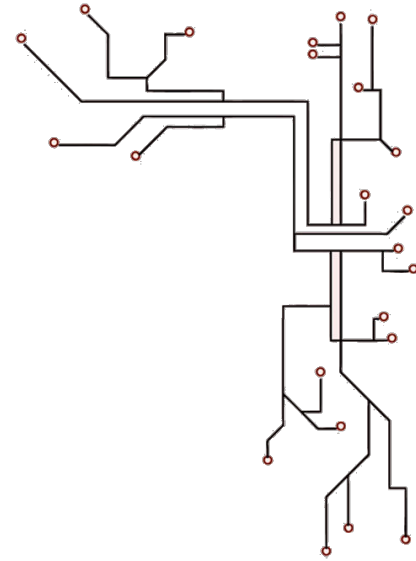




ACTIVITY

Make a Movie!  
(Loops)

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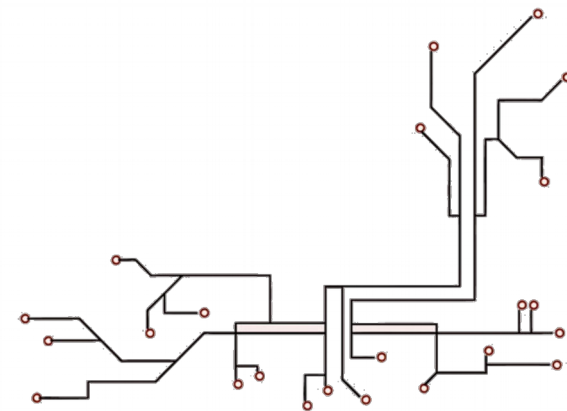
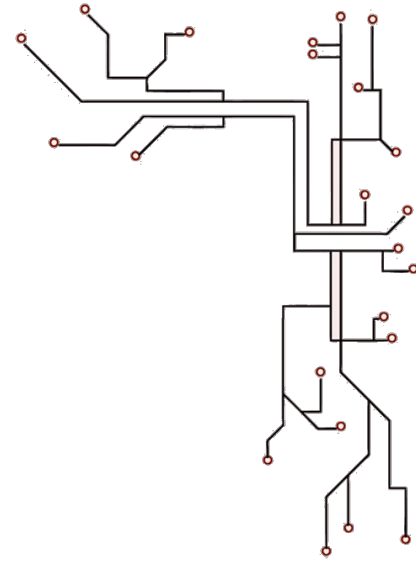


# ACTIVITY

## Make a Counter (Variables)

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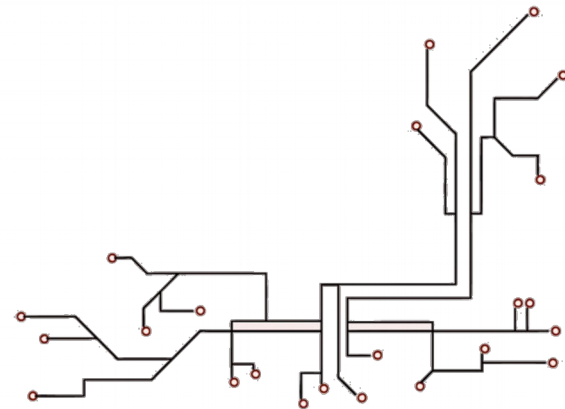
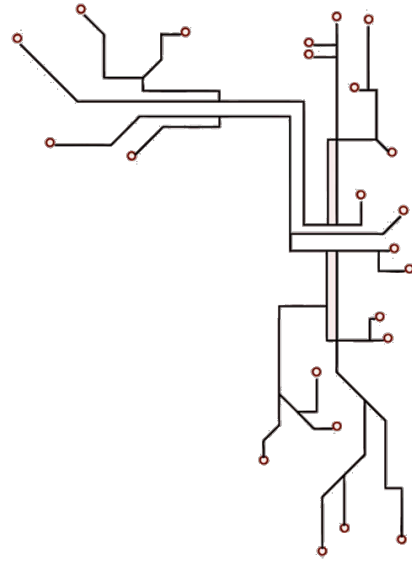


# ACTIVITY

## Make a Flip Book (variables & conditionals)

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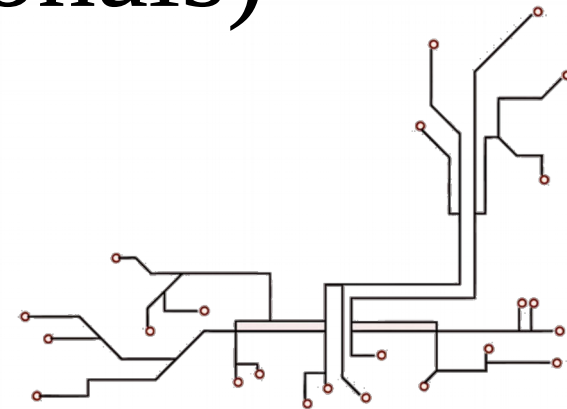
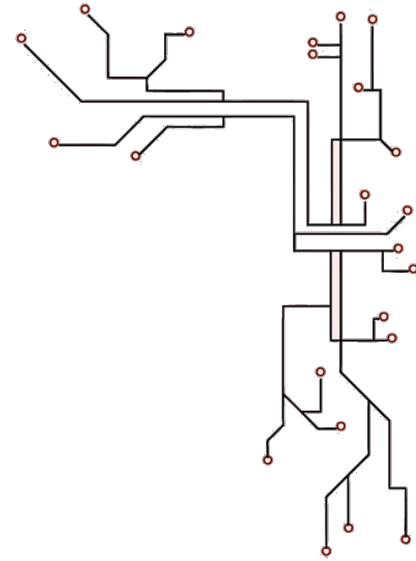
# ACTIVITY

Make a  
*Rock, Paper, Scissors*  
Game!

(Random numbers & conditionals)

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ACTIVITY

Make Anything!  
(Open-Ended Exploration)

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