

Engineering Electronics

How all of our cool gadgets began.

Watch the video at www.education.ti.com/JKD2017



We are all Makers

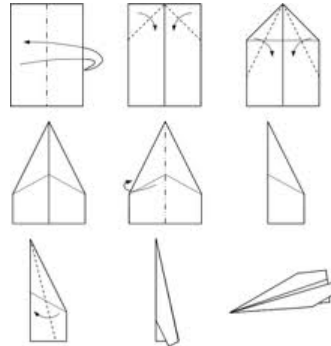
We **make** PB&J sandwiches



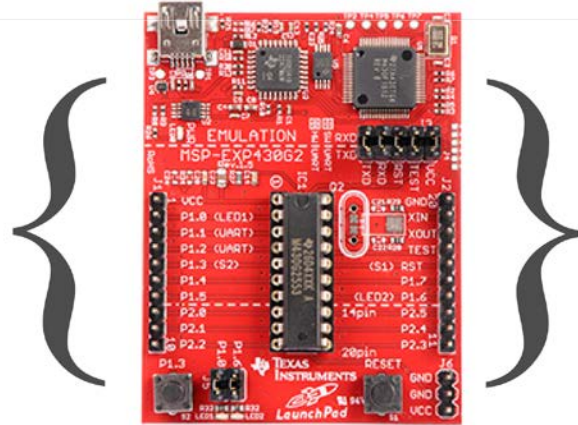
We **make** treehouses



We **make** paper airplanes

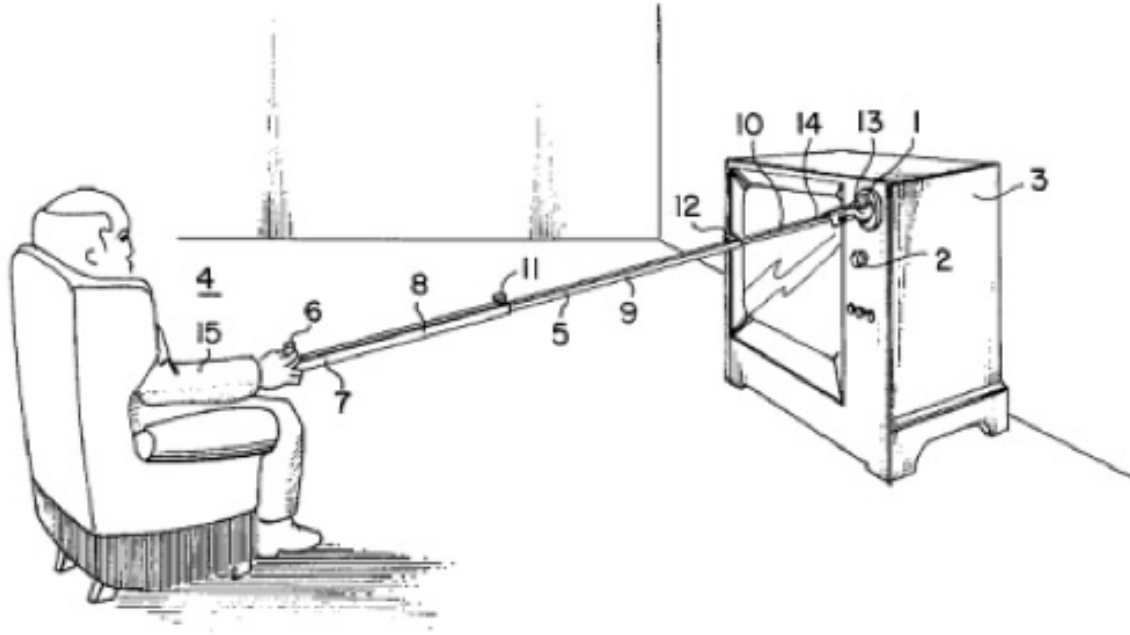


We believe

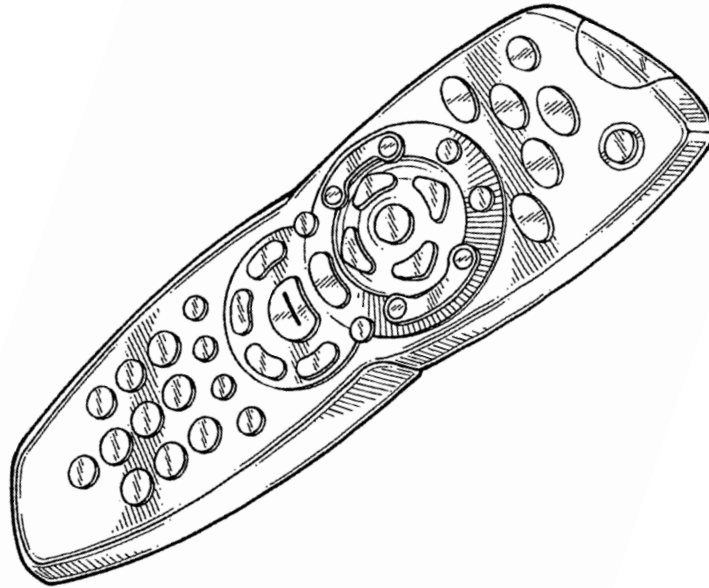


We can all
make stuff
with electronics

make We ~~take~~ shortcuts



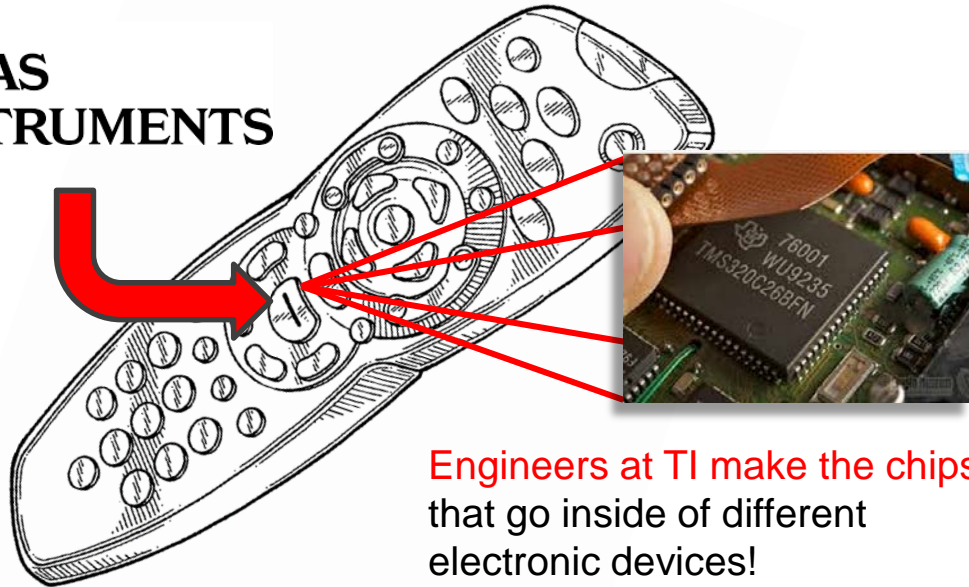
Shortcuts become innovation



Shortcuts become innovation

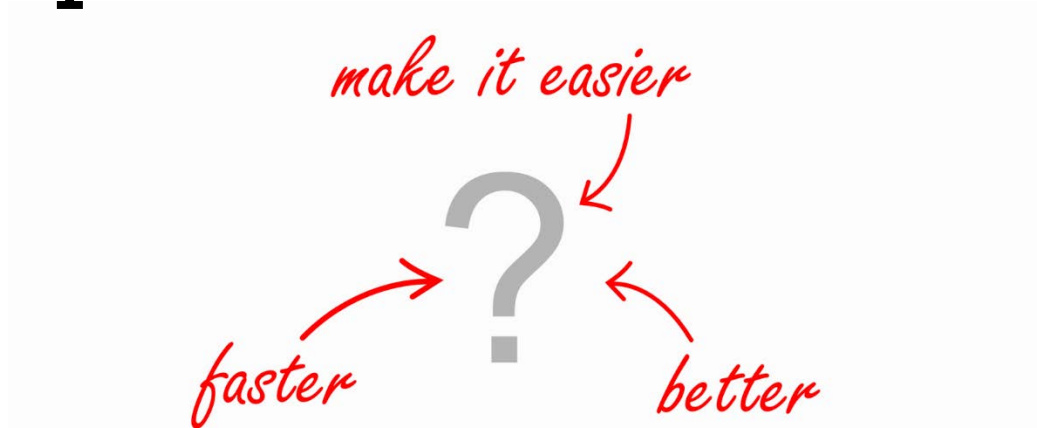


TEXAS
INSTRUMENTS



Engineers at TI make the chips
that go inside of different
electronic devices!

Engineers are problem solvers



Making teaches us **critical thinking,**
teamwork, **how to be resourceful**



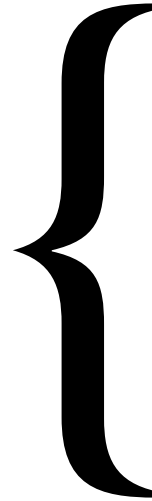
Makers are
changing the
world . . .

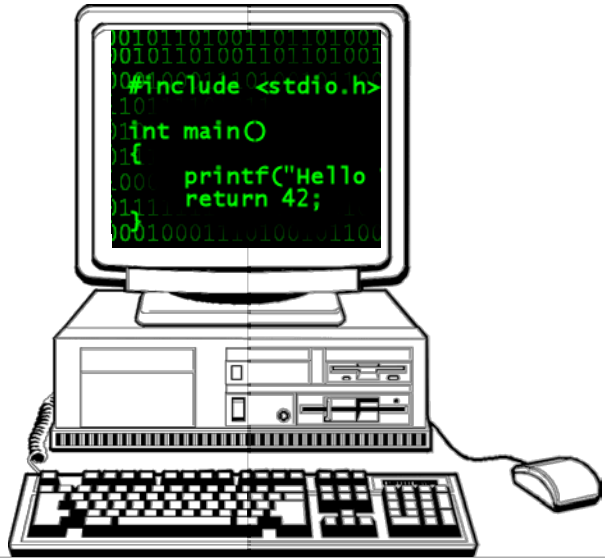




Here are
Just a few
examples

Engineers have
done a lot of really
cool things with
computers & cell
phones

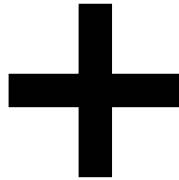




```
010110100110110100  
010110100110110100  
010110100110110100  
#include <stdio.h>  
int main()  
{  
    printf("Hello  
    return 42;  
}
```

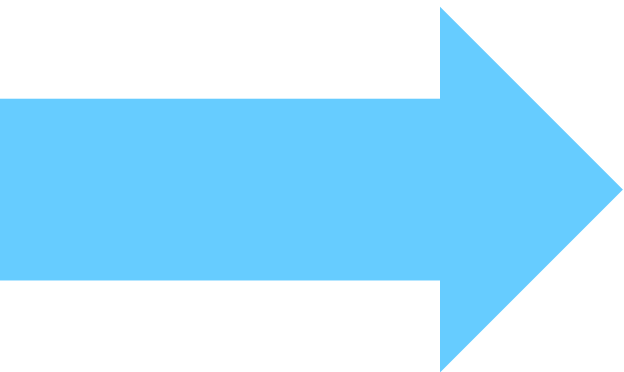
One solution is....

Put a **computer** inside of
everyday objects!

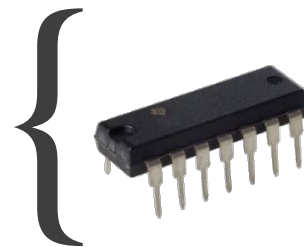


But not just *any* computer...

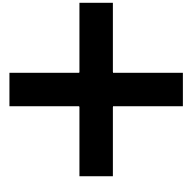
What we really need
is a tiny computer



We need something called a
semiconductor



A **semiconductor** is a small, reprogrammable & simplified computer that can be **embedded** into products to make regular things **smarter**.



**What would you
invent to
change the
world?**