

ENGINEERING THE INTEGRATED CIRCUIT (IC)



Imagine how much the world has changed since your grandparents were your age. Many of those changes were possible because of electronics – products powered by batteries, electricity or solar energy. These electronic products would not be possible without integrated circuits (ICs), which are the “building blocks” of modern technology.

Did you know that many of the electronic products you or your family own probably have several ICs? And many of the ICs found in these electronics were made by Texas Instruments (TI). In fact, a TI engineer made the very first working IC – also called a chip or semiconductor – on September 12, 1958. His name was Jack Kilby. His little invention forever changed the face of technology and life as we know it.

Start by watching our video at: www.ti.com/jackkilbystem

Around September 12 every year, Tlors around the world recognize Jack Kilby Day. We celebrate our employees and the spirit of innovation that drives us to create inventions that make our world a better place.

The invention of the IC impacted your life today. Name 10 electronic products you would not have today if the IC was never invented.

- | | |
|----------|-----------|
| 1. _____ | 6. _____ |
| 2. _____ | 7. _____ |
| 3. _____ | 8. _____ |
| 4. _____ | 9. _____ |
| 5. _____ | 10. _____ |

When you combine the study of science, engineering and math with your imagination and creativity, **YOU** have the ability to create the next amazing, world-changing innovation.

What electronic product would you create if given the chance?

How would it change the world?

