

## Projects for CHFEN 6655-001 Silicon Chip Processing

Piezoelectricity  
Ferroelectricity  
Magnetic Properties of materials (and Computer Disk Memory)  
Dielectric Breakdown  
Conductive/Dielectric Polymers  
Superconductivity  
III-V Semiconductors  
Optical Switching  
Semiconductor Gas Sensors  
Lab on a Chip

Develop an oral presentation on the physics behind \_\_\_\_\_, how it works, and what it is used for in the electronics industry.