Whether you’re working from home, learning from home, or just spending more time at home, it is important to make sure your home is electrically safe, secure, and efficient. Learn how the internet of things and smart devices can improve your quality of life and make your home safer.

### Home Energy Use

<table>
<thead>
<tr>
<th>Item</th>
<th>Energy Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air Conditioning</td>
<td>17%</td>
</tr>
<tr>
<td>Space Heating</td>
<td>15%</td>
</tr>
<tr>
<td>Water Heating</td>
<td>14%</td>
</tr>
<tr>
<td>Lighting</td>
<td>10%</td>
</tr>
</tbody>
</table>

#### Average Yearly Energy Use by Item

*source: U.S. Energy Information Administration, 2015 Residential Energy Consumption Survey*

### Energy Efficiency Through Smart Devices

- **Smart refrigerators to optimize temperature**
- **Optimize wash/dry times for lowest energy costs**
- **Automated HVAC controls**
- **Automated lighting**
- **Remote / automated outlet controls**

### Prepare your Home for Safe and Efficient Energy Use

- **Use a smart plug or power strip to turn off power when devices are not in use**
- **LED light bulbs last longer than traditional bulbs and use 25-80% less energy**
- **Heat only the area you’re in with energy efficient space heaters**
- **Utilize home automation to control HVAC and lighting systems while not at home**
- **Have an electrician inspect your electrical system every 10 years to avoid overloads**

### Home Electrical Safety Devices

- **AFCI breakers and outlets protect against arc-faults which could lead to fires**
- **Grounded outlets protect against electric shocks**
- **GFCI outlets and breakers are required where water and electricity may come in contact and protect against ground-faults**
- **Surge protectors protect against damaging power surges that can destroy electrical equipment**

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