

## LED Bulbs:

In 2016, in response to the newly established Environmental Commitment pillar of the 5-year plan, CCDS chose to replace all of its fluorescent light bulbs in the school (more than 7,000 total) with more energy efficient LED bulbs. These new bulbs needed to be not only energy efficient, but had to have a cost savings that was readily achievable by the school. Advantages of LED include, they are more energy efficient as a 16W bulb produces the same light as a 35W fluorescent, LED lights last up to 13x longer and they are more rugged, do not flicker and do not emit UV light. The result is an annual savings to the school of over \$33,000 and the replacement of all the bulbs paid for itself in less than 6 months.

|                 | <b>Existing Flourescent</b> | <b>LED Bulbs</b> |
|-----------------|-----------------------------|------------------|
| # Bulbs         | 7,033                       | 7,033            |
| Watts per Bulb  | 35                          | 16               |
| Annual kWh Cost | \$61,451                    | \$28,092         |

