



# **Green Team: Lesson 4**

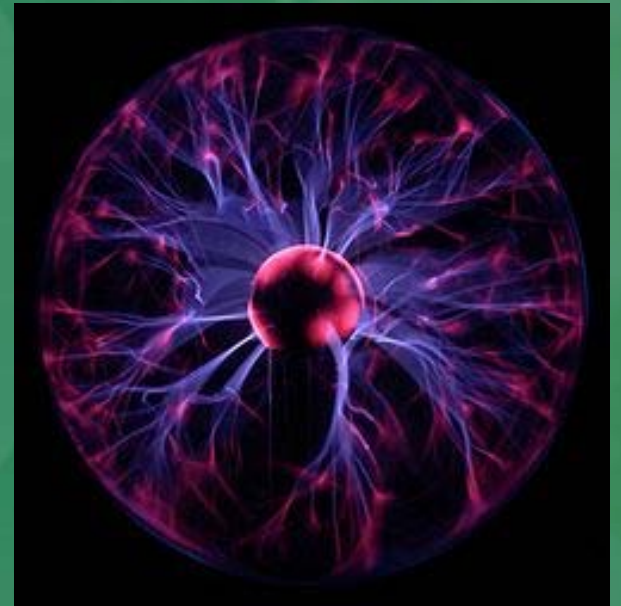
## **Energy & the Energy Star Program**

# Energy

## What is Energy?

Energy comes in many forms. It is the strength, power or vitality required for sustained physical or mental activity.

It takes energy to fly a plane, air condition a house or for a kid to run around a playground.



# Energy

What are the main types  
of Energy?



Heat, Light, Motion, Electrical,  
Chemical, Nuclear Energy, & Gravitational

# Energy

What are the main categories of Energy Sources?



Renewable:

Solar, Wind, Hydro-electric (from moving water like tides, waves, rivers), Geothermal (, Biofuel, etc

Non-renewable:

Fossil Fuels (Petroleum, Natural Gas, Coal), Nuclear Power

# Energy Star

## What is the Energy Star program?

It is a special program run by the Environmental Protection Agency (EPA) that encourages sustainability by evaluating appliances and buildings on how efficiently they use energy.





# Energy Star

How long has Energy Star program been around?

Since 1992, they began rating computer products, kitchen appliances, and buildings which generally use 20%–30% less energy than required by government standards.

# Energy Star

How are school buildings rated by the EPA?

We submit info on our electric and gas use, number of students, size of building, & hours the school is used. As well as number of desktop computers and amount of kitchen equipment.

# Energy Star

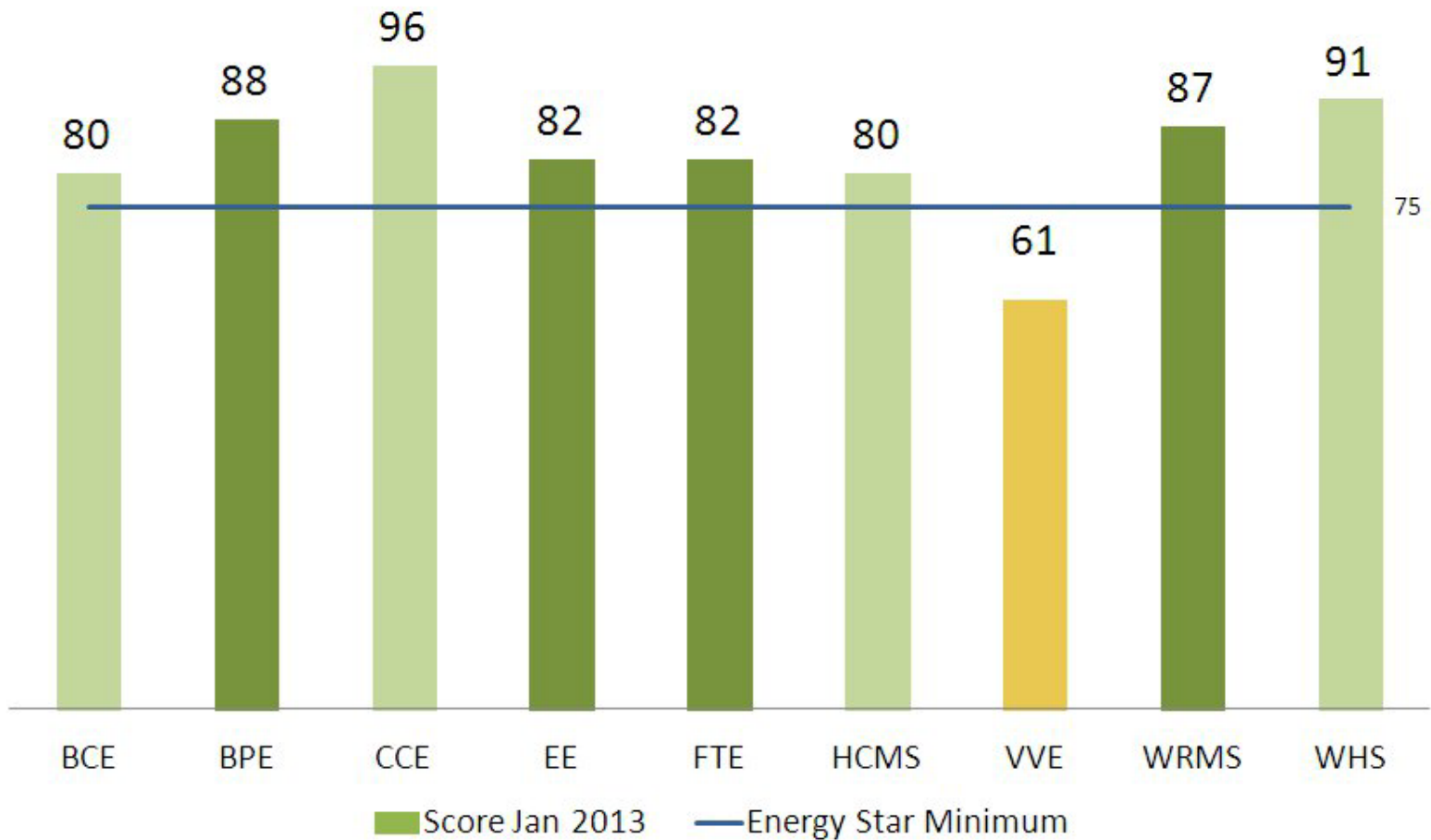
Are any Eanes ISD schools Energy Star schools?

Yes! In 2012, Bridge Point Elem, Eanes Elem, Forest Trail Elem and West Ridge MS received official Energy Star awards. In 2013, Barton Creek Elem, Cedar Creek Elem, Hill Country MS and Westlake HS also qualified.



# Energy Star Ratings

Jan 2013



# Energy Star

2013 applications for those schools scoring above a 75 are pending and once approved the new schools will get an award to place near their front entrance.



Our 2012 Energy Star awards

# Energy Star

How can we help improve our  
Energy Star score?

- Make sure lights are only on when rooms are in use.
- Make sure air conditioning is not escaping through open windows or doors.



# Energy Star - Activity

## Energy Star Scavenger Hunt

- Look in your school, home and the Green Team website (<http://greenteam-eanesisd.weebly.com>) for the Energy Star logo.
- Write down the location or take a picture.

# Green Games – Spring Event

## Go GREEN Day

- Organize a Go Green Day for your campus by picking a date to wear Green to bring awareness to Sustainability.
- Try making posters with conservation tips or talking with your class on how to help the environment.





# Earth Day is April 22nd

Let us know your plans for  
Earth Day activities.

Go GREEN Day would be  
great on Earth Day but can  
be anytime this Spring.





# Links

Energy Star website

<http://www.energystar.gov/>



Energy Kids website

<http://www.eia.gov/kids/>

Earth Day website

<http://www.earthday.org/>