

Watt's Up?

We know that lighting can account for 1/3 of our electricity consumption so the district has been changing lighting in many of our gyms and total upgrades for some schools. As a result, we will increase lighting levels while reduce fixtures which will reduce energy consumption.

Lois Brass, the Principal at Findley had this to say, "When the lights were changed in our cafeteria most students and staff thought we had started turning the lights on. The lights had always been on but they did not light the room very well. The room is much brighter now."

Learn More @

If you are looking for ideas on how to celebrate Earth Day or educational materials, check out www.earthday.org/education.

Join the Lorax and help protect our environment, visit www.energystar.gov/kids.

The EPA's ENERGY STAR has many tools to use less energy. Visit www.energystar.gov or click the link or logo below to learn more.



Daylight Savings Time

Why do we change our clocks for daylight savings time? Studies have determined by utilizing daylight-saving time, we can save energy.



The United States is not the only country to observe daylight-saving time. In 1883, the U.S., needed to create standard time zones so they could print railroad schedules, which was signed into law in 1918. During World War I, came the idea of daylight-saving time in an effort to save energy but the idea was not popular and was discontinued after the war. In 1942, President Franklin Roosevelt reinstated daylight-saving time again as a way to save energy during World War II. In 1966, Congress passed the uniform time act adopting a uniform start and stop for daylight saving time but it is up to each state to observe the time change or not.

There are mixed results of studies done over decades regarding how much potential energy can be saved with daylight-saving time. In the past, daylight-saving time began in April and ended in October. The Department of Energy conducted a study and decided that extending daylight-saving time by four weeks is part of a long-term solution to the nation's energy problems and an energy bill was signed by President George W. Bush on August 8, 2005. To view the DOE study "Impact of Extended Daylight Savings Time on National Energy Consumption" visit or click the link to www1.eere.energy.gov.

Sources: www.articles.cnn.com and www.midamericanenergy.com

Earth Day is April 22

Many of our schools participate in trash cleanups in their neighborhoods. IESA students will have displays set up at Central Campus including crafts from recycled materials, computer energy challenges and displays on their activities.



By Payton Pringle, IESA Student

This month the Iowa Energy & Sustainability Academy (IESA) class is visiting the marine biology lab. The lab instructor Mr. Embree is telling us about the effects climate change has on different aquatic species such as coral. The reason why corals are a good indicator of environmental problems is because they are highly chemical and temperature sensitive. The IESA class just started a project on endangered species. The key reason for this is it shows what would happen if we lost a certain species. This is an important aspect of sustainability.

On April 22nd is Earth Day. The IESA class will be setting up tables in the lobby of Central Campus, and we will be doing several activities including; recycled crafts, computer energy simulations, and various displays about what we are doing in class. For the craft activities we are asking for donations of; plastic bottles, tin cans, potting soil, cereal boxes, newspapers, and plant seeds. Anyone is welcomed to stop by and do some of the crafts, try the computer energy challenge, and see what the IESA class has been working on this year.

Don't forget to recycle!



Check It Out ...

Iowa Energy & Sustainability Academy
Des Moines Public Schools

what's new from our students.



By Anna Schmalzriedt,
IESA Student

It's now March, and IESA is really starting to come together. We have implemented a few new aspects to our recycling program. Electronics are now being recycled through IESA. The first week was a complete success! We collected around a hundred dollars worth of unused/broken electronics to send to the company, Think Recycle. The type of items we are taking for this are any type of ink cartridges and toners, cell phones, iPods, mp3 players, and all kinds of digital cameras. In order to make a difference in your community and environment, thinking green and recycling is a great start.

The second thing that is happening this month are the computers being put into our room. These computers are for tracking energy usage for the whole United States, and monitoring the computer servers in the Central Campus building. We are hoping to enter the Iowa Energy Challenge, and along with the Kill A Watt electricity monitors, the computers will help us get there.

These are the great things happening this month! Don't forget to check out our display in the Central Campus lobby, and never forget to go green!



ENERGY REPORT CARD

YEAR-TO-DATE SITE ENERGY USAGE REPORT

July 1, 2010 – January 31, 2011

Percentage change as compared to the same time period from previous year.
Ranked by greatest percentage of decrease to greatest percentage of increase.

Site	Total Energy (mBtu)	% Chg	kBtu/Sq Ft	Site	Total Energy (mBtu)	% Chg	kBtu/Sq Ft
Park Ave	1,261	-65%	21	Welcome Center	263	0%	42
Madison	894	-54%	21	South Union	1,091	1%	16
Howe	724	-47%	19	CNC	7,891	1%	140
Wright	527	-46%	17	Roosevelt•	18,684	2%	78
Garton	1,303	-30%	20	Samuelson	1,043	2%	18
Hiatt	4,969	-21%	47	Greenwood	1,064	3%	17
Merrill	3,918	-19%	43	Carver	1,440	4%	16
East	14,042	-17%	41	Studebaker	2,407	5%	55
Windsor	920	-17%	15	Perkins	930	5%	16
Pleasant Hill	1,006	-15%	27	McCombs	5,170	5%	60
North•	13,061	-12%	59	Capitol	1,855	5%	24
Hoover/Meredith	12,203	-12%	42	River Woods	2,102	5%	35
Harding	4,605	-11%	37	East Academy	2,034	5%	38
Downtown School	1,235	-9%	30	Hanawalt	821	6%	19
Cowles	1,626	-8%	37	Brubaker	1,438	7%	18
Cattell	1,112	-7%	23	McKee	457	7%	11
Lincoln South	4,674	-7%	42	Oak Park	1,326	9%	22
Willard	1,664	-7%	28	McKinley	1,521	9%	30
Morris	980	-7%	14	Van Meter	3,817	10%	67
Smouse	3,640	-6%	68	Prospect	5,041	10%	96
Central Campus•	18,713	-5%	41	River Plaza	717	12%	58
Goodrell	2,003	-5%	18	Hillis	879	13%	15
Walnut Street	4,861	-5%	42	Monroe	2,487	13%	34
Lincoln	13,476	-5%	43	Callanan	2,873	14%	25
Hubbell	1,540	-4%	29	Moulton	5,380	15%	44
Central Academy	3,038	-3%	35	Casady	1,938	16%	44
Lovejoy	1,490	-3%	45	King	852	17%	16
Weeks	2,707	-2%	24	McCombs			
Aviation Lab	457	-2%	32	Greenhouse	860	33%	71
Brody	5,542	-1%	59	Findley	2,111	67%	54
Edmunds	2,215	-1%	48	Dean Operations			
Phillips	1,437	-1%	34	Center♦	2,549		26
Jefferson	1,448	-1%	34	Jackson•	895		20
Stowe	781	0%	14	Mitchell•	542		17
Hoyt	4,646	0%	47	Scavo @ Moore•	1,761		39

■ Building under construction comparison year 2009-10 ♦ Building unoccupied part of comparison year 2009-10
● Building occupied during renovations

Visit www.dmps.k12.ia.us for more details of the district's energy mission and building performance.
Tell us about it! Do you want to share your ideas for saving energy or helping our environment? Or want to let us know about your projects? E-mail lisa.simpson@dmps.k12.ia.us.



Recognized by the U.S. EPA for the superior energy management of our schools

2010