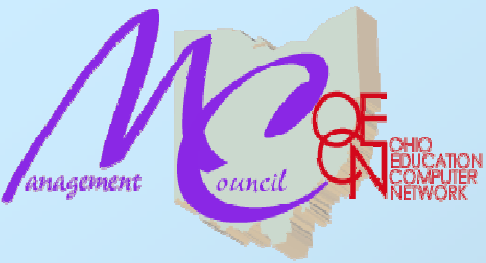




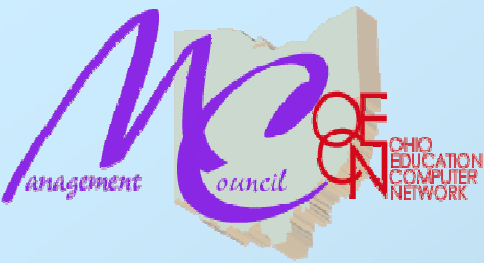
MCOECN Update Spring 2006

Mr. Bruce Hawkins, CEO
Management Council of the Ohio
Education Computer Network



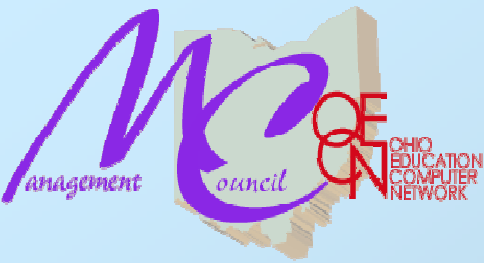
Items of Interest

- Third Frontier Network
- New Internet Provider
- Data Driven Decisions for Academic Achievement
- Network Advantages
- Legislative issues
- MCOECN Budget Request
- Student Data Update
- INFOhio Update



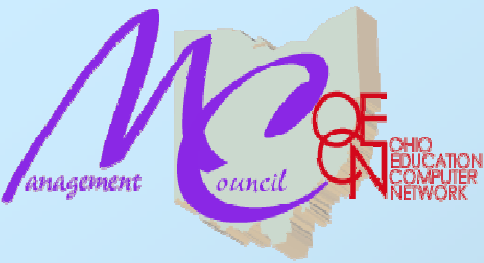
Third Frontier Network

- Third Frontier Network (TFN) was originally created by the Ohio Board of Regents and the Ohio Academic Research Network (OARnet).
- TFN is a high-speed fiber backbone that links higher education and research institutions across Ohio.
- The Ohio K-12 Network has partnered with the Regents and OARnet to bring TFN to the 23 ITC's and seven large urban districts.



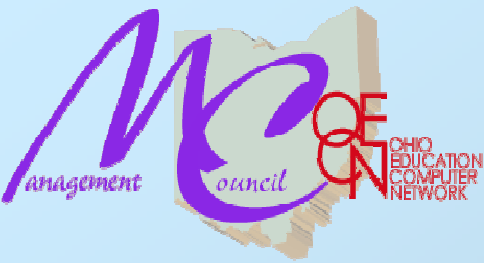
Third Frontier Network

- TFN brings several advantages
 - Higher network capacity (150Mb up to Gigabit speeds).
 - Cost control. The TFN connections are 10-year leases or service agreements that are being paid up-front with funding from the state budget.
 - No bandwidth costs for intra-network traffic (between ITC's).



TFN Status Update:

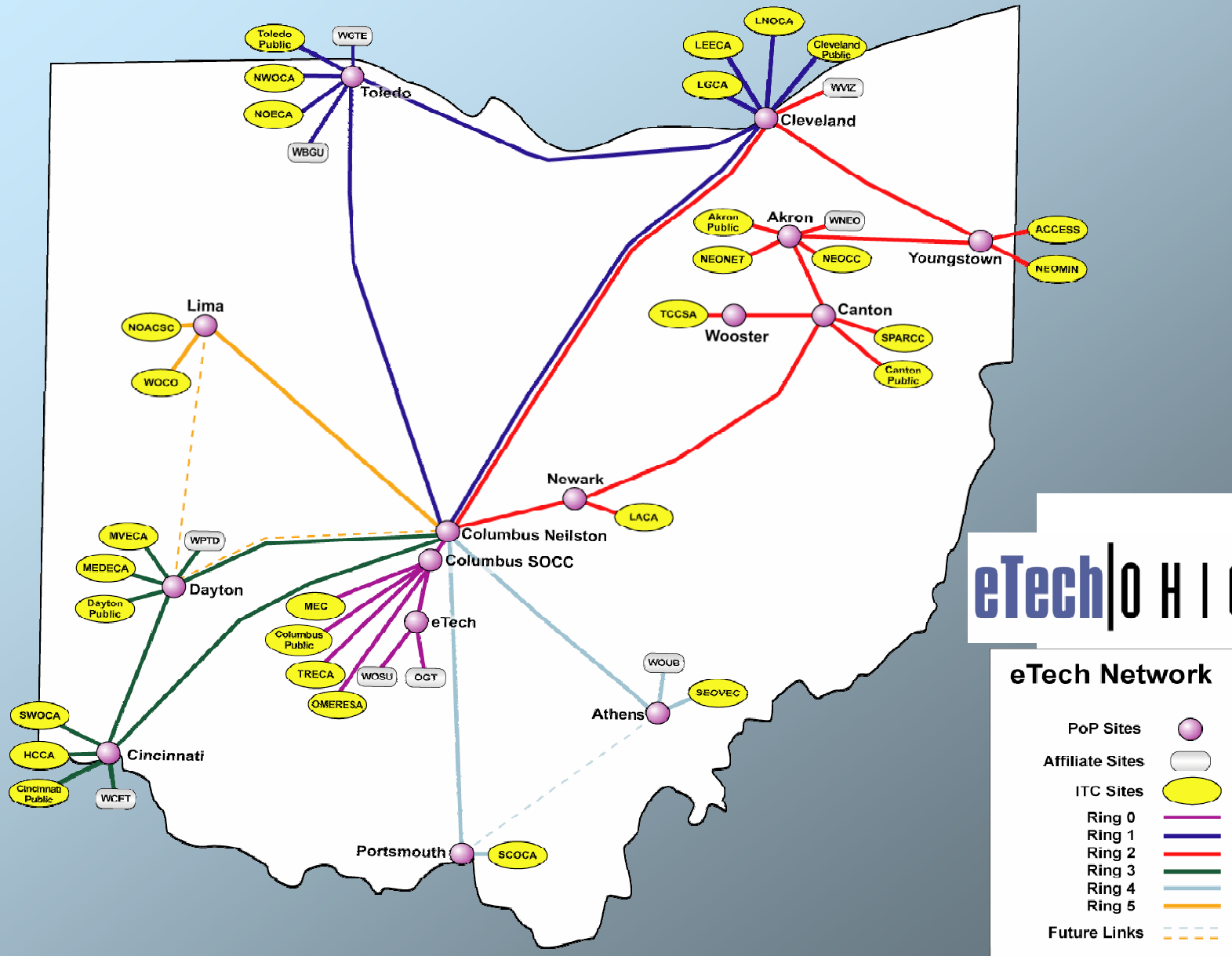
- “Ohio Lights the Way” PK-12 TFN Lighting Ceremony was held on February 27th.
 - *Participation from Governor’s Office, ODE, Ohio Board of Regents, eTech Ohio Commission, OARnet, MCOECN, Toledo Public, and SCOCA*
- Two Sites now on TFN!!



TFN Status Update:

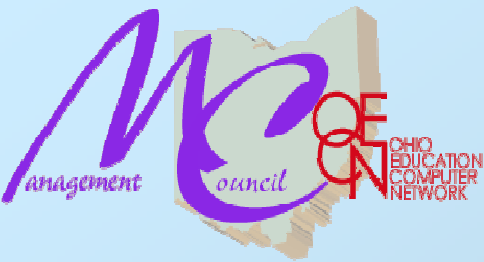
- Mid-Mile connection contracts for the other 28 sites are now complete.
- eTech Ohio is now working with vendors to schedule installations.
- ITC's encouraged to move as soon as possible.
- Hope to complete connection of remaining sites by September 2006.

eTech Network w/ Affiliate and PoP Sites



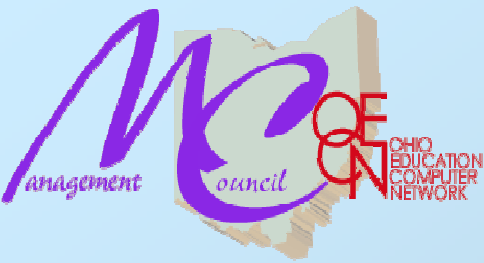
eTech Network

- PoP Sites
- Affiliate Sites
- ITC Sites
- Ring 0
- Ring 1
- Ring 2
- Ring 3
- Ring 4
- Ring 5
- Future Links



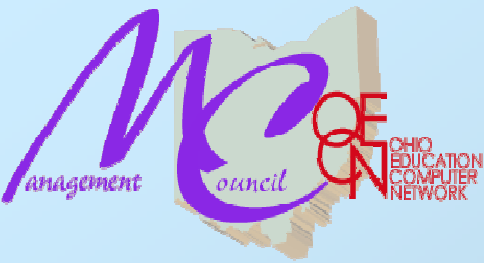
K-12 Internet Access

- MCOECN issued a Request for Proposal (RFP) for Internet Access.
- RFQ covered both state-wide (primary) and regional (secondary/backup) proposals.
- Contract with primary provider was signed on March 20th.
- Target for new provider is April 17th.



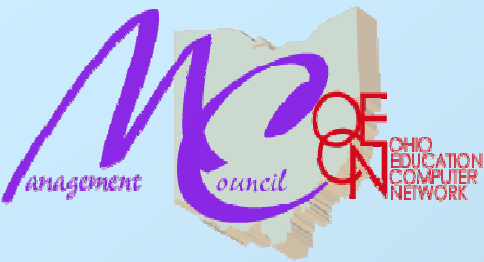
K-12 Internet Access

- The Governor's Office joined the MCOECN in announcing Qwest as the new primary provider.
- Qwest will provide up to one Gigabyte of access on redundant links.
- Significant cost savings to the Ohio K-12 Network.



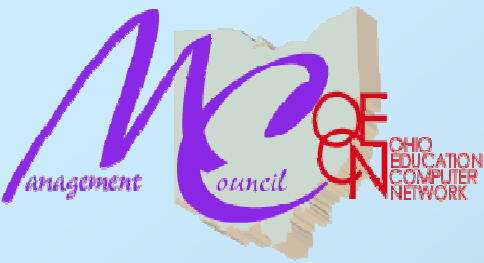
K-12 Internet Access

- Changing Internet providers will require a change in IP addressing.
- ITC's and Large Urban Districts have been apprised of this effort.
- ITC's and LU's are encouraged to switch as soon as they can to help conserve budget resources.



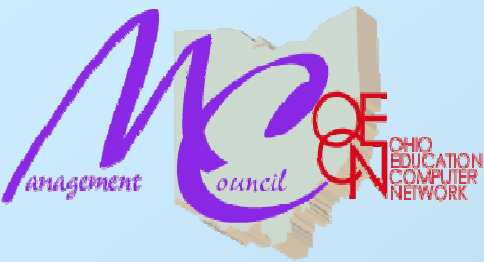
Network Advantages

- Advantages to the Ohio K-12 Network:
 - Access to the Third Frontier Network
 - Access to video services provided by eTech Ohio
 - Nearly free intra-state bandwidth
 - Significantly lower cost for Internet bandwidth
 - Access to in-network resources



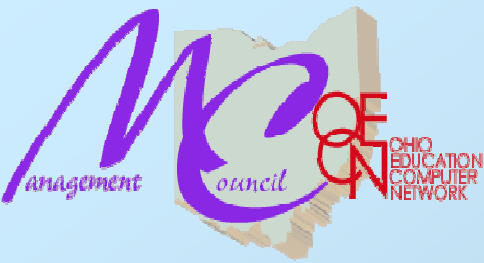
Network Advantages

- Advantages, continued:
 - Converged network (one network connection provides voice, video, and data)
 - Higher capacity and lower latency, and increased reliability
 - Security for sensitive student data
 - Statewide procurement to achieve lower costs



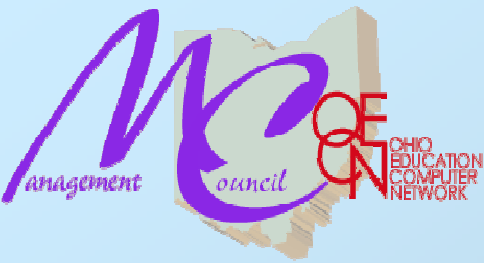
Regionalization

- House Bill 115 (Setzer) has passed in the House and is now in the hands of the Senate Education Committee.
- Senate Ed Committee has held two hearings on this bill.
- Senator Padgett has asked groups to submit suggested revisions



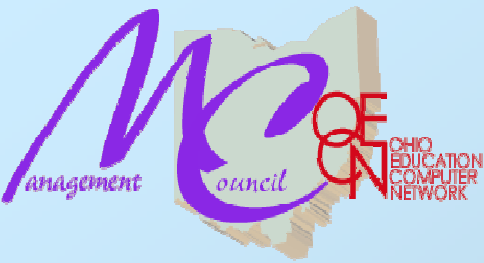
Regionalization

- Included in HB 115:
 - 16 Regions with Regional Advisory Council and regional fiscal agent
 - Standing committees for school improvement, special education, staff development, educational technology, and ITC's
 - State-level EMIS board and State Regional Alliance Board



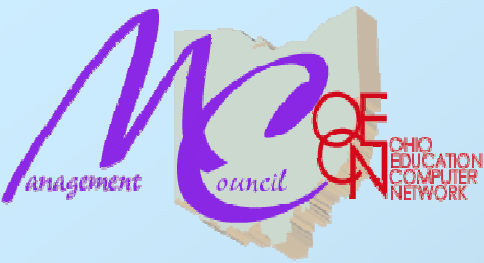
Regionalization

- Impact on the OEEN:
 - No changes to existing ITC service areas
 - ITC Directors have seats on regional council
 - ITC's have seat on regional technology committee
 - Concern about possible fiscal agent changes



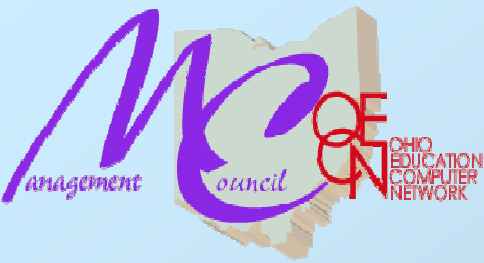
Regionalization

- The MCOECN is supportive of HB 115
- Representative Setzer made several modifications at our request
- We still have concerns regarding possible changes to fiscal agent rules
- HB 115 recognizes the MCOECN



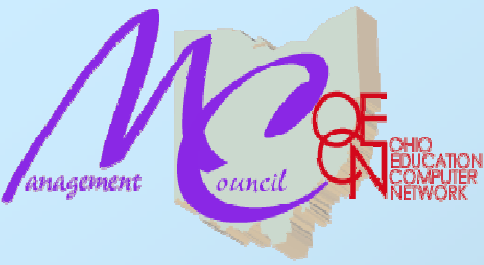
TEL Amendment

- TEL = Tax Expenditure Limitation
- Would limit state and local spending growth to larger of:
 - Inflation plus population growth
 - 3.5%
- Requires voter approval for all new taxes and tax increases



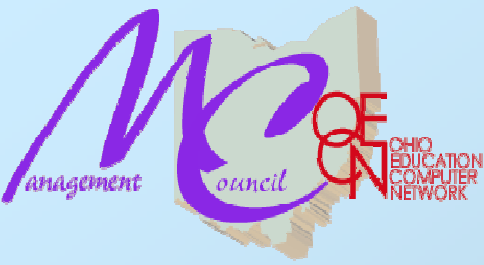
Concerns about TEL

- Budgets would be fixed, not based on need
 - Removes authority of elected officials
- Adds complexity because budget programs do not grow at the same pace.
 - Higher demand or higher growth items would force lower demand items to be cut back to meet overall spending limits



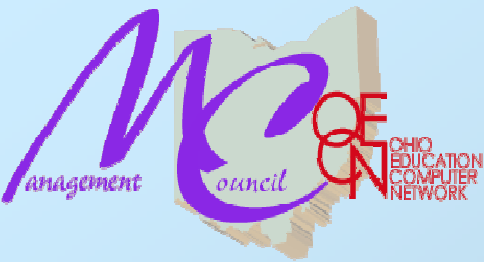
Concerns about TEL

- Discourages saving
 - More spending means more room to spend next year
 - Limited in ability to spend any savings/reserve in future years
- Could impact students' ability to go to college
 - State schools would not be able to grow spending to accommodate new students



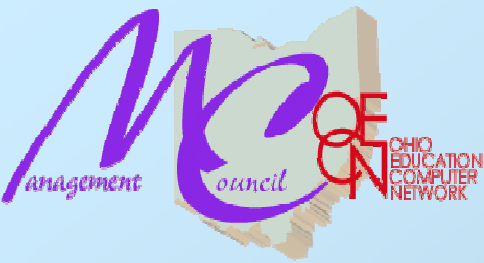
Concerns about TEL

- Has an unknown impact on tax reform
 - State is switching to CAT tax. Impact on schools is unknown.
- Vague wording within the amendment will likely result in court challenges



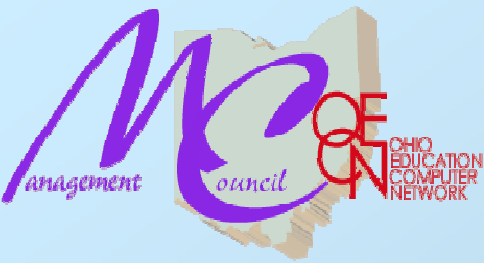
D3A2

- Data Driven Decisions for Academic Achievement
- A long-term initiative focused on developing the capacity of educators to have systemic access to data and aligned resources to improve instruction and student achievement.



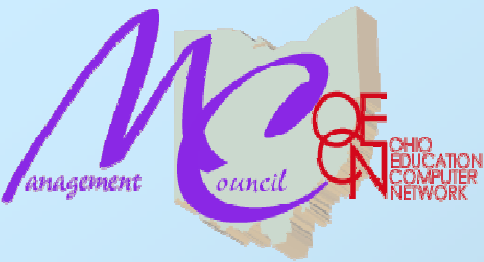
D3A2

- **Not an “ODE” project.** D3A2 is being supported by a partnership consisting of ODE, eTech, MCOECN, INFOhio, school districts, and other organizations.
- **Not a mandate.** D3A2 participation is voluntary for schools.
 - Working to create a “safety net” for schools that can not develop their own links into the system.



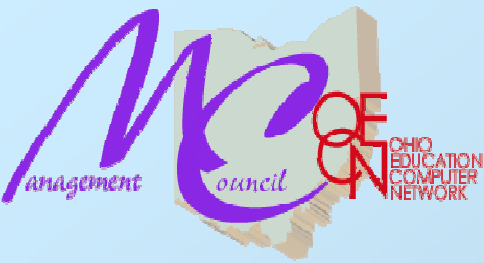
D3A2 Status Update

- Initial focus will be on linking student performance (item analysis) to lesson plans, test items, and other resources
- December 2006 goal for initial on-line resource access system
- ODE has been awarded a \$5.7M Federal grant to implement vertical data reporting/sharing (via SIF) and longitudinal data analysis



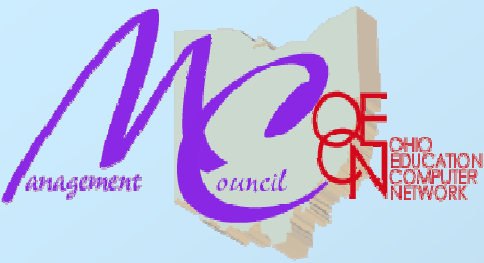
D3A2 Grant

- \$5.7M over the next three years
- To create a system of longitudinal tracking of student and teacher performance
- Will include increased access to decision support tools
- Will improve data reporting and data sharing



MCOECN Budget Request

- MCOECN has presented our FY 08-09 budget request to ODE
- Asked for increases in all areas
 - Connectivity: +33%
 - INFOhio: +52%
 - OECN Operating: +40%
 - OECN Software Support: +46%



MCOECN Budget Request

- Specific requests:
 - Incentive for higher speed connectivity
 - Electronic resources
 - Adapt SIS packages to D3A2
 - INFOhio content alignment
 - SSDT funding to support ITC needs

Three Core Beliefs

- Information makes a *difference* to people.
- Making a difference does *not happen by chance*: a school library must be a dynamic agent of learning and the librarian is an information learning specialist & curriculum partner-leader.
- *Student achievement* matters: a belief that all students can learn, and develop new understandings through the school library and its resources.

- Library Automation provides access to school library materials
 - INFOhio Automation reaches over 1.1 million students in 2,424 schools across Ohio.
- 18% of Ohio's public schools districts have un-automated libraries. That's 381 schools teaching kids to use a card catalog

- INFOhio is preparing to be a full D3A2 partner.
- Schools must have electronic access to their resources so that teachers can locate local materials that support the Ohio Academic Content Standards
- Library automation is critical.

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Everything



Today is February 2, 2006

What Are SchoolRooms?



Welcome to SchoolRooms, an educational resource for K-12 students, educators and parents that combines teacher-selected, standards-based content with student-friendly software. Through the integration of multi-media and interactive content, SchoolRooms help promote student exploration and discovery on a variety of topics.

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- [Middle School Student Rooms](#)
- [High School Student Rooms](#)

Room Contributors

A+ [Elementary Contributors](#) **A+** [Middle School Contributors](#)

1. Tim DeFrange
2. Laurie Simms
1. Jennifer Schwelik
2. Shelly Lewis

INFOhio Information

Office Information

Phone: (614) 752-2941
Fax: (614) 752-2941
Email: central@infohio.org

INFOhio's Central Office is located at the State Library of Ohio.

Directions

The office is located at 274 East First Avenue, Suite 100. Columbus, Ohio 43201.
[Click Here for Directions.](#)

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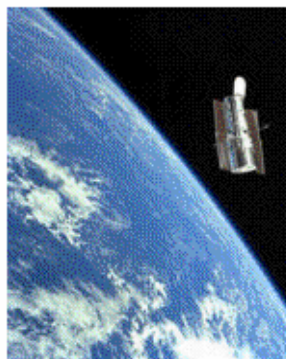
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Check It Out



Hubble Space Telescope

The Hubble Space telescope orbits (circles) the Earth at a height of about 600 kilometers (375 miles). Since it was launched in 1990, astronomers have used it to collect information that helps them work out the age of the universe and how fast it is expanding. (Text taken from the Hutchinson Children's Encyclopedia © Research Machines, plc 2005.)

- [Hubble Telescope](#)
- [Expanding Universe](#)
- [Edwin Hubble](#)

Cool Links



[Radioactive Decay](#)

Click on the buttons to see different types of decay in action.



[Carbon 14 Calculator](#)

Type in a year to calculate how much carbon 14 is left.



[Radiocarbon Dating](#)

Watch these short movies to learn more about carbon dating.

Fun & Games



[Geology Rocks!](#)

Take this quiz and test your geology knowledge.

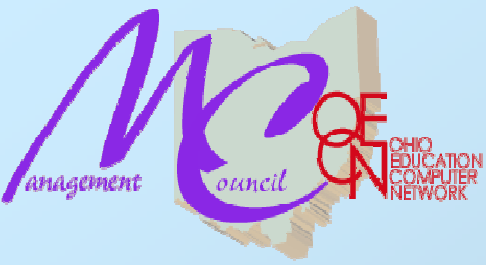


[Science Trivia](#)

Click and see how much you know about geology, geography and hydrology!

[Space Trivia](#)

The Amazing Sun - Our Star



Questions?

Thank You

www.mcoecn.org