**NATIONAL FINALS** 

Scoring: A score of "2" means that the team to the left of the "2" beat the team above the "2"; A score of "1" means that the team to the left of the "1" tied with the team above the "1"; A score of "0" means that the team to the left of the "0" lost to the team above

NETL is the DOE's fossil energy research Laboratory. The Laboratory's mission is to discover, integrate, and mature technology solutions to enhance the Nation's energy foundation and protect the environment for future generations. The Laboratory maintains technical competencies in areas critical to the discovery, development, and deployment of affordable, sustainable fossil energy technologies and systems. Through collaboration with partners in industry, academia, and other national and international research organizations, NETL nurtures emerging fossil energy technologies across the full breadth of the maturation cycle. Partners in NETL's research programs number in the thousands and include small and large U.S. businesses, national research organizations,

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As the Nation's premier national security science Laboratory, LANL applies innovative and multidisciplinary science, technology, and engineering to help solve the Nation's toughest challenges and protect the Nation and world. In delivering mission solutions, LANL ensures the safety, security, and effectiveness of the U.S. nuclear deterrent and reduces emerging national security and global threats. The multidisciplinary focus of the Laboratory's mission extends to nuclear nonproliferation, counterproliferation, energy

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ORNL is the largest multi-program science and energy Laboratory in the U.S. DOE system. Its mission is to deliver scientific discoveries and technical breakthroughs that accelerate the development and deployment of solutions in clean energy and global security, creating economic opportunity for the Nation. Established in 1943 as part of the Manhattan Project, ORNL pioneered plutonium production and separation, then focused on nuclear energy and later expanded to other energy sources and their impacts. Today, ORNL manages one of the Nation's most comprehensive materials programs; two of the world's most powerful neutron science facilities, the Spallation Neutron Source and the High Flux Isotope Reactor; unique resources for nuclear science and

Scoring: A score of "2" means that the team to the left of the "2" beat the team above the "1" tied with the team above the "1" tied with the team above the "1" the team above the "1" tied with the team above the "1" tied with the team above the "2" to the team above the "3" to

Scoring: A score of "2" means that the team to the left of the "2" beat the team above the "1" tied with the team above the "1"; A score of "0" means that the team to the left of the "0" lost to the team above

Tiebreakers: Tiebreaker matches for division first, second, third and fourth place winners are held offline. The four teams identified with a colored circle around their score will advance to the double elimination tournament.

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technology; leadership-class computers including Titan, the Nation's fastest; and a diverse set of programs linked by an urgent focus on clean energy and global security.

technologies, such as small modular reactors, toward commercialization while ensuring the continued safe, reliable and economical operation of the existing nuclear fleet.

Middle School Academic Competition - Round Robin Tournament

too expensive for a single company or university to run, such as the Mira supercomputer and the giant X-ray synchrotron Advanced Photon Source. These facilities are relied on by thousands of researchers from universities and industry each year for

National Energy Technology Laboratory (NETL) - Pittsburgh, PA and Morgantown, WV - http://www.netl.doe.gov/

**Team** 

and engineering help find practical solutions to society's problems, including transportation, nuclear energy, grid modernization, and battery science. ANL also designs, builds, and operates scientific user facilities - large national research facilities that would be

breakthroughs in fields from construction and aeronautics to batteries and pharmaceuticals. Team

University Preparatory School (MS)

Haas Hall Academy at the Lanes (MS)

Great Neck South Middle School

colleges and universities, and other government Laboratories.

Oak Avenue Intermediate School

Hopkins Middle School

Suncrest Middle School

The Frazer School (MS)

Davidson Academy (MS)

Eisenhower Middle School

**Hutchinson Middle School** 

Cabin John Middle School

Princeton Charter School (MS)

Idaho National Laboratory (INL) - Idaho Falls, Idaho - https://www.inl.gov/

Treasure Valley Math and Science Center (MS)

Elkhorn Valley View Middle School

William Diamond Middle School

Van Antwerp Middle School

Davis Drive Middle School

Pleasant Ridge Middle School

Calloway County Middle School

Saint Francis Catholic School (MS)

Winston Churchill Middle School

Kinard Core Knowledge Middle School

Whitney High School (MS)

BASIS Chandler (MS)

Marshall Middle School

Los Alamos National Laboratory (LANL) - Los Alamos, New Mexico - http://www.lanl.gov/

Oak Ridge National Laboratory (ORNL) - Oak Ridge, Tennessee - https://www.ornl.gov/

**Team** 

Team

and infrastructure security, and technology to counter chemical, biological, radiological, and high yield explosives threats.

**Team** 

Ames Middle School

Cooper Middle School

Greenbelt Middle School

the "0".

Idaho

**Energy Technology** 

Argonne
Argonne National Laboratory (ANL) - Argonne, Illinois - http://www.anl.gov/
ANL's research spans the scientific and engineering spectrum. Experimental, theoretical, and modeling work
The state of the s

Julip to Al	gorine Energy	recrinology idan	U LUS AIGITIUS	Oak Ridge	racine Northwest	Sariula	I II O I I as Selle I s
Argonne							
•		y (ANL) - Argonne	,		9		

- Jump to ... Argonne Energy Technology Idaho Los Alamos Oak Ridge Pacific Northwest Sandia Thomas Jefferson

- rk in materials science, physics, chemistry, biology, mathematics, and supercomputing provide the raw material for new breakthroughs. Applied science

**Total Points** 

10 <sup>1st</sup>

**Total Points** 

6 3rd

INL serves as the command center for advanced nuclear energy research, development, and is home to an unparalleled combination of nuclear energy research, development and deployment test-bed facilities focused on fuel fabrication, steady-state and transient irradiation, and macro- and micro-scale post-irradiation examination. INL's applied engineering discipline and problem-solving approach helps the Defense and Homeland Security departments, as well as industry partners, address significant national security challenges in critical infrastructure protection and nuclear community with access to the technical, regulatory and financial support necessary to move innovative nuclear energy

**Total Points** 

6 3rd

10 <sup>1st</sup>

**Total Points** 

10 <sup>1st</sup>

**Total Points** 

10 <sup>1st</sup>

**Total Points** 

10 <sup>1st</sup>

8 <sup>2nd</sup>

## Colegio Católico Notre Dame (MS) Farragut Middle School

the "0".

Los Alamos

Oak Ridge

**Thomas Jefferson** Thomas Jefferson National Accelerator Facility (TJNAF) - Newport News, Virginia - https://www.jlab.org/ TJNAF is the preeminent Laboratory in precision studies of the fundamental nature of confined states of quarks and gluons, including the protons and neutrons that make up the mass of the visible universe. The Laboratory is home to the Continuous Electron Beam Accelerator Facility, the first large-scale application of superconducting radiofrequency technology. TJNAF's expertise is enabling an ever-increasing array of applications in the international scientific community, from high-power lasers to advanced particle accelerators. Minnetonka East Middle School Irving A. Robbins Middle School American Heritage Schools, Broward Campus (MS)

	4		2	2	2	2		
oring:	: A score of "2" means that the team to the left of the "2" beat the team above the "2"; A score of	f "1" means t	hat the team	to the left of I	the "1" tied wi	th the team a	bove the "1";	A score of "0" means that the team to the left of the "0" lost to the team
"0".			100 %					
reak	kers: Tiebreaker matches for division first, second, third and fourth place winners are held offline.	. The four ter	ams identified	d with a color	ed circle arou	nd their scor	e will advanc	e to the double elimination tournament.
	c Northwest							
	Northwest National Laboratory (PNNL) - Richland, Washington - http://www.pnl.gov/ e than 50 years, PNNL's world-class researchers have been making fundamental scientific discove	veries that illu	uminate the m	nysteries of o	ur planet and	the universe.	They also ar	PNNL's scientific expertise to tackle some of the most challenging
olems	s in energy, the environment and national security. PNNL leverages its foundational capabilities in rid, preventing nuclear proliferation and cleaning up the environment for the DOE and other spons	n chemistry, e	environmenta	al science and	d data analytic	cs to provide i	national leade	ership in deepening the understanding of climate science, shaping the fu
	curity. PNNL partners extensively with other Labs, academia and industry in its research, develop							
	Team	1	2	3	4	5	6	Total Points
1	Evergreen Middle School		2	2	2	2	2	10 <sup>1st</sup>
2	Twin Spruce Junior High School	0		0	2	0	0	2
3	Wisconsin Hills Middle School	0	2		2	0	0	4 <sup>4th</sup>
4	Church of God (Holiness) Academy (MS)	0	0	0		0	0	0
5	Miller Middle School	0	2	2	2		2	8 <sup>2nd</sup>
ô	Fort Settlement Middle School	0	2	2	2	0		€ 3rd
"0". oreak	A score of "2" means that the team to the left of the "2" beat the team above the "2"; A score of kers: Tiebreaker matches for division first, second, third and fourth place winners are held offline.							
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## he "2" beat the team above the "2"; A score of "1" means that the team to the left of the "1" tied with the team above the "1"; A score of "0" means that the team to the left of the "0" lost to the team above third and fourth place winners are held offline. The four teams identified with a colored circle around their score will advance to the double elimination tournament. d Livermore, CA - http://www.sandia.gov/ ive is a major part of SNL's work as a multi-mission national security, engineering Laboratory. SNL's role has evolved to address the complex threats facing the United States through research and pporting U.S. deterrence policy by helping sustain and secure the nuclear arsenal; 2) defense systems & assessments - supplying new capabilities to U.S. defense and national security communities; 3) d resources, and protection of infrastructure; and 4) international, homeland & nuclear security - protecting nuclear assets and nuclear materials, and addressing nuclear emergency response and lized research staff is at the forefront of innovation, collaborating with universities and companies and performing multidisciplinary science and engineering research programs with significant impact on ne "2" beat the team above the "2"; A score of "1" means that the team to the left of the "1" tied with the team above the "1"; A score of "0" means that the team to the left of the "0" lost to the team above

Team

Stallings Island Middle School

Parkway West Middle School

Clarence Middle School

Privacy/Security ☐ Accessibility