



**Thermal Spray Technologies sponsored Materials Camp for Teachers at UW-Madison's Institute for Discovery Center.**

Thermal Spray Technologies (TST) was pleased to sponsor, for the second year in a row, a teachers' camp, hosted at UW-Madison's Institute for Discovery Center. The National Association of Corrosion Engineers (NACE) and ASM Materials Education Foundations partnered to fund and organize summer camp sessions for high school and middle school teachers throughout North America. The Wisconsin-based camp was offered entirely free for attending teachers due to generous financial support from TST and The Fisher Barton Group.

The camp, which ran August 5-9, 2013, provided teachers with innovative and fun methods for teaching materials science and encouraging students to consider careers in materials technologies and engineering, including corrosion control.

"This learning was so invigorating," remarked Brenda, a Wisconsin high school science teacher. "I can use more than 90% of the experiments in my general science classes." Deb, a middle school teacher, explained, "Not only have we done the demos, but we've learned the science behind them. Now I can confidently use them in my classroom."



Led primarily by two experienced high school "Master Teachers", the curriculum included both classroom instruction and many hands-on lab experiments, including a four-hour corrosion component utilizing the Corrosion Toolkit (cKit) developed by the NACE Foundation. Other experiments related to solids, ceramics, glass, composites, polymers, and metals - all designed with the primary goal of educating students while demonstrating the appeal of a career in fields associated with materials technology, including the pipeline industry, manufacturing, corrosion control, and laboratory work.

In addition to the Master Teachers, Bill Lenling, president of TST, delivered an innovative approach to hands-on learning by demonstrating various material sciences in action, showing their real life applications and outcomes.

"There is no way we could have all come together for this educational experience without Bill Lenling and Thermal Spray Technologies," remarked Roger, one of the Master Teachers. "We've used a wide range of materials in a variety of ways, and broken down processes so teachers can use them among many levels and classes within school."