UT Tyler Ingenuity Center
Purpose of the Ingenuity Center Mobile STEM Lab

• Hands-on activities to excite and engage students
• Curriculum support aligned with state and national standards
• Access to innovative equipment and technology
• Access to experienced and highly-qualified teachers and curriculum specialists
• Learning activities covering a wide variety of grade levels and science topics
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Mobile STEM lessons are taught by a Texas Master Science certified teacher, and are designed to be applicable to most students in grades 6-12.

Lessons are intended to focus on the major cross-cutting concepts that have application across all domains of science.

They include:

- **Patterns, similarity, and diversity**
- **Cause and effect**
- **Scale, proportion and quantity**
- **Systems and system models**
- **Energy and matter**
- **Structure and function**
- **Stability and change**.

All lessons include the NAO robot and make extensive use of either hands-on activities, live demonstrations, student participation, audio-visual and technology integration, or a combination thereof.
Purpose of the Ingenuity Center Mobile STEM Lab

• Learning activities- including post-secondary and teacher professional development!
Benefits to your campus and district

HANDS-ON ACTIVITIES
Engaging labs and activities that excite students

ALIGNED CURRICULUM
Labs and activities aligned to current state and national standards

HIGHLY-QUALIFIED TEACHERS
Staffed by science teachers certified to teach all aspects of science curriculum from 6th through 12th grade levels

EFFICIENT COSTS
Hire the equipment, technology and instruction support necessary for only the time required
Professional Development opportunities

CERTIFICATION TRAINING FOR INGENUITY CENTER MOBILE STEM LAB “DROP-OFF” USE:
Allows for teacher professional development, greater flexibility in planning and instruction, and lowered costs!

Our next open training session is Summer, 2014 at the Discovery Science Place, downtown Tyler.

PROFESSIONAL DEVELOPMENT-CLASSROOM TECHNOLOGY:
One-day professional development topics include: iPad guided access, NearPod, Show-Me, Splashtop, Poll Everywhere, and more.
Mobile STEM Lab: options for use

DROP-OFF USE:
Costs: $100 drop-off, $100 pickup fee

STANDARD USE:
Costs: $600-1800 per instructional day depending on distance traveled and curriculum required

CUSTOMIZED USE:
Costs: $600-1800 per instructional day depending on distance traveled and curriculum development required
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For further information…