ASTM Standards and You:
The Role of Standards in our Everyday Lives
ASTM Standards…
More than Meets the Eye!

- Enhance health, safety and quality of life
- Facilitate global trade and market access
- Support product reliability and quality
- Reduce costs, improve supplier relations
- Guide business communications and marketing
- Advance innovation and new technologies
- Support regulatory goals and compliance
- Transfer technology to the marketplace
Environmental Protection

Water Quality
- Drinking water is tested for harmful bacteria and other elements using ASTM standards

Asbestos Monitoring
- ASTM test methods and practices help to monitor asbestos in the indoor environment

Environmental Site Assessment
- ASTM standards facilitate environmental site assessments in compliance with U.S. Environmental Protection Agency regulations

Did You Know:
Cleaner air is made possible by ASTM standards for biodiesel, an alternative fuel that helps reduce serious air pollutants
Health and Medical Care

Health Information

- Continuity of Care Record defines a core set of information in the healthcare setting

Hearing Aids

- ASTM standards are assisting in the development and performance of implantable hearing device technology
Sports and Recreation

Safety Helmets

- ASTM safety helmet standards are used in sports such as bicycling, roller skating, soccer, horseback riding and martial arts

Snow Skiing

- ASTM standards provide guidance on proper performance of the ski-boot-binding system

Did You Know:

Even pole vault participants are safer thanks to an ASTM standard that covers performance requirements for helmets used in this track and field related sport.
Home and Building Performance

Building Codes

- More than 1300 ASTM building design and construction related standards ensure that buildings comply with safety and other code requirements

Home Heating

- ASTM standards help manufacturers develop high performing, safe, and cost effective insulation
Car and Road Travel

Night Time Driving

- ASTM standards cover raised pavement markers, which highlight lanes, medians and road barriers

Engine Fuels

- We are ensured of the indicated octane level every time we pump gas thanks to ASTM standards
Aviation

Airport Security

- Airport personnel can identify guns, bombs and other illegal packages with the help of ASTM standards

Turbine Fuels

- ASTM standards contribute to the production of fuels that are clean and free of contamination

Did You Know:

More than 25 ASTM standards related to light sport aircraft are referenced by the FAA.
Consumer Products

- ASTM closely cooperates with the U.S. Consumer Products Safety Commission

Flooring

- ASTM standards test for slip resistance of bathroom facilities
Homeland Security

- ASTM Committee E54 formed in 2004

Hospital Preparedness

- ASTM standards help prepare healthcare facilities for large scale emergencies

Did You Know:

ASTM has developed new standards for urban search and rescue robots and their role in life saving efforts.
Materials

- A01 on Steel – ASTM’s first technical committee started in 1901

Latest Developments

- Methods that support the portable testing of large pieces of steel
Advancing Innovation

Drug Manufacturing

- New ASTM standards are aimed at streamlining the process of drug manufacturing, leading to improved product quality and lower cost for consumers

Nanotechnology

- ASTM standards initiatives are focused on supporting commercialization efforts of this groundbreaking technology
Thank You

ASTM International Learning Module Series

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