

# WELL Building Standard

## An Overview



**Dr. Traci Rose Rider**

**College of Design**

**NC State University**

**Green Buildings and Sustainable Materials Project**

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and Technology**

# “Better buildings to help people thrive”

- WELL was launched in **October 2014** after six years of research and development
- International WELL Building Institute
- Focused on improving occupant health
- Designed to work with green building standards
- Integrates evidence-based research from fields of:
  - Environmental health
  - Behavioral factors
  - Health outcomes
  - Demographic risk factors
- Expert peer review from Scientific, Practitioner, and Medical fields.
- WELL v1 (2014) and WELL v2 (2018)



# IWBI/ WELL Mission:

- Know how to create spaces that enhance, rather than hinder health and well-being.
- Measure and subsequently improve the quality of our **air**, **water** and **light**.
- Know how to design environments that fuel our bodies, keep us moving, inspire our best work and facilitate a good night's sleep.



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**“Through the vehicle of WELL, IWBI helps to translate what we know into what we practice.”**

<https://v2.wellcertified.com/v/en/overview>

# Principles of WELL v2

- **Equitable**
- **Global**
- **Evidence-based**
- **Technically robust**
- **Customer-focused**
- **Resilient**



# WELL Scoring and Certification Levels

- WELL Silver Certification: 50 points
- WELL Gold Certification: 60 points
- WELL Platinum Certification: 80 points

STANDARD VERSION	LEVEL OF ACHIEVEMENT	PRECONDITIONS THAT MUST BE ACHIEVED	OPTIMIZATIONS THAT MUST BE ACHIEVED
WELL Building Standard®	Silver Certification	All applicable	None
	Gold Certification	All applicable	40% of applicable
	Platinum Certification	All applicable	80% of applicable

*Image from the WELL Building Standard v1 with 2017 Q4 addenda*

# Concepts and Features

 AIR	4	Preconditions	10	Optimizations
 WATER	3	Preconditions	5	Optimizations
 NOURISHMENT	2	Preconditions	11	Optimizations
 LIGHT	2	Preconditions	6	Optimizations
 MOVEMENT	2	Preconditions	10	Optimizations
 THERMAL COMFORT	1	Preconditions	6	Optimizations
 SOUND	1	Preconditions	4	Optimizations
 MATERIALS	3	Preconditions	11	Optimizations
 MIND	2	Preconditions	13	Optimizations
 COMMUNITY	3	Preconditions	13	Optimizations
 INNOVATIONS	0	Preconditions	5	Optimizations

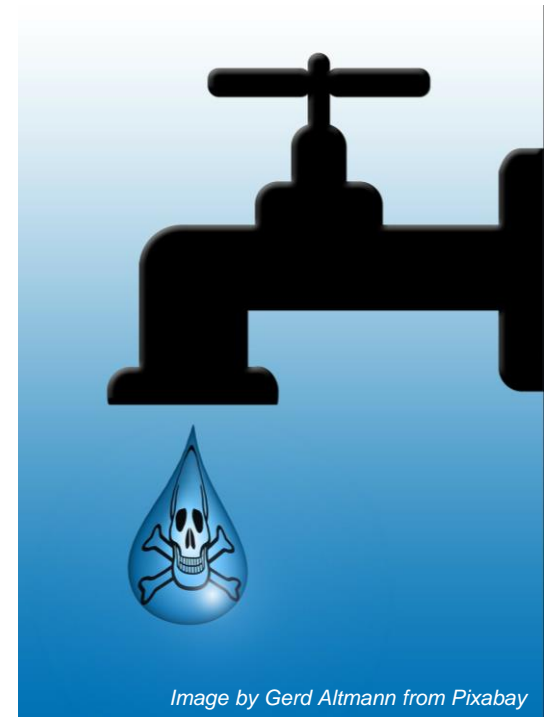
# Air

- Fundamental Air Quality (P)
- Smoke-Free Environment (P)
- Ventilation Effectiveness (P)
- Construction pollution management (P)
- Enhanced Air Quality
- Enhanced Ventilation
- Operable Windows
- Air Quality Monitoring and Awareness
- Pollution Infiltration Management
- Combustion Minimization
- Source Separation
- Air Filtration
- Active VOC Control
- Microbe and Mold Control

<https://v2.wellcertified.com/v2.1/en/concepts>

# Water

- Fundamental water quality (P)
- Water contaminants (P)
- Legionella Control (P)
- Enhanced Water Quality
- Water Quality Consistency
- Drinking Water Promotion
- Moisture Management
- Handwashing



<https://v2.wellcertified.com/v2.1/en/concepts>



# Nourishment

- Fruits and Vegetables (P)
- Nutritional Transparency (P)
- Refined Ingredients
- Food Advertising
- Artificial Ingredients
- Portion Sizes
- Nutritional Education
- Mindful Eating
- Special Diets
- Food Preparation
- Responsible Food Sourcing
- Food Production
- Local Food Environment



*Image by silviarita from Pixabay*

# Light

- Light Exposure and Education (P)
- Visual Lighting Design (P)
- Circadian Lighting Design
- Glare Control
- Enhanced Daylight Access
- Visual Balance
- Electric Light Quality
- Occupant Control of Lighting Environments



*Image by StockSnap from Pixabay*

<https://v2.wellcertified.com/v2.1/en/concepts>

# Movement

- Active Building and Communities (P)
- Visual and Physical Ergonomics (P)
- Movement Network and Circulation
- Active Commuter and Occupant Support
- Site Planning and Selection
- Physical Activity Opportunities
- Active Furnishings
- Physical Activity Spaces and Equipment
- Exterior Active Design
- Enhanced Ergonomics
- Physical Activity Promotion
- Self-Monitoring



# Thermal Comfort

- Thermal Performance (P)
- Enhanced Thermal Performance
- Thermal Zoning
- Individual Thermal Control
- Radiant Thermal Control
- Thermal Comfort Monitoring
- Humidity Control

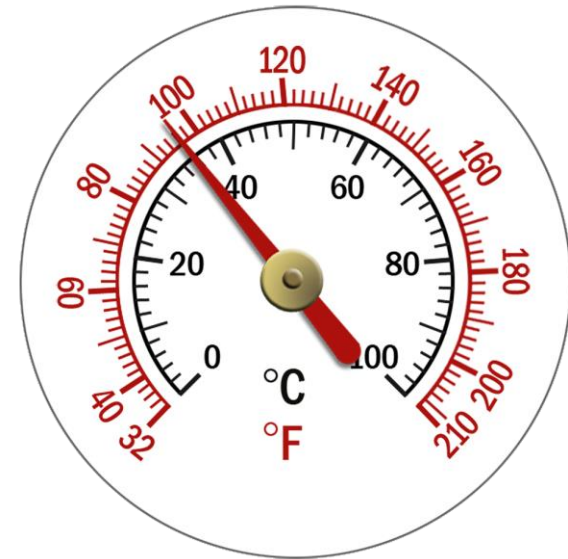
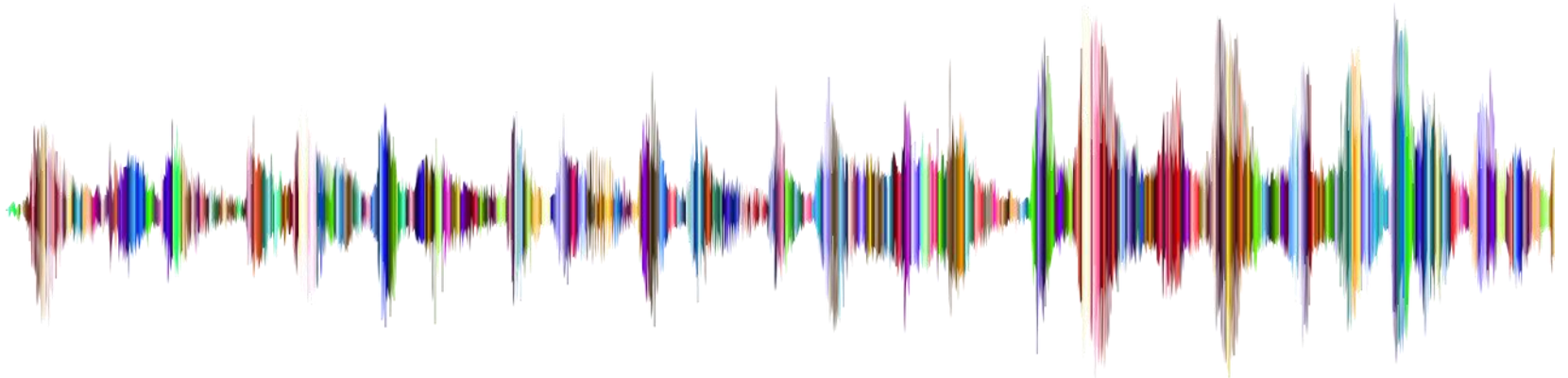


Image by Paul Tate from Pixabay

# Sound

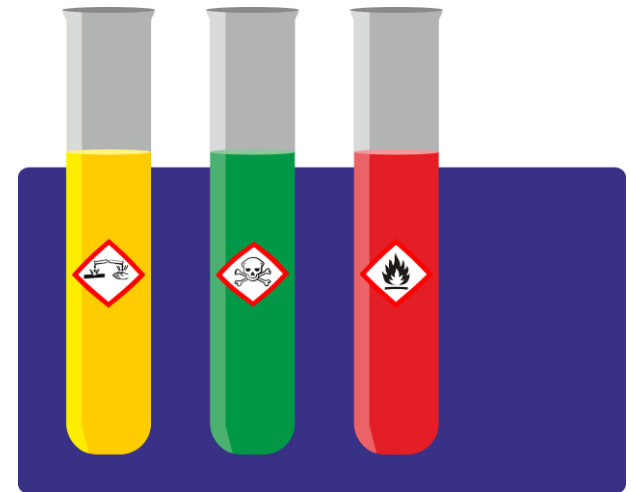
- Sound Mapping
- Maximum Noise Levels
- Sound Barriers
- Sound Absorption
- Sound Masking



*Image by Gordon Johnson from Pixabay*

# Materials

- Fundamental Materials Precautions (P)
- Hazardous Material Abatement (P)
- Outdoor Structures (P)
- Waste Management
- In-Place Management
- Site Remediation
- Pesticide Use
- Hazardous Material Reduction
- Cleaning Products and Protocols
- Volatile Compound Reduction
- Long-Term Emission Control
- Short-Term Emission Control
- Enhanced Material Precaution
- Material Transparency



*Image by succo from Pixabay*

# Mind

- Mental Health Promotion (P)
- Access to Nature (P)
- Mental Health Support
- Mental Health Education
- Stress Support
- Restorative Opportunities
- Restorative Spaces
- Restorative Programming
- Enhanced Access to Nature
- Focus Support
- Sleep Support
- Business Travel
- Tobacco Prevention and Cessation
- Substance Use Education and Services
- Opioid Emergency Response Plan



*Image by teeveesee from Pixabay*

# Community

- Health and Wellness Awareness (P)
- Integrative Design (P)
- Occupant Surveys (P)
- Enhanced Occupant Survey
- Health Services and Benefits
- Health Promotion
- Community Immunity
- New Parent Support
- New Mother Support
- Family Support
- Civic Engagement
- Organizational Transparency
- Accessibility and Universal Design
- Bathroom Accommodations
- Emergency Preparedness
- Community Access and Engagement



*Image by rawpixel from Pixabay*



# Innovation

- Innovate WELL
- WELL Accredited Professional (WELL AP)
- Educate WELL
- Gateways to Wellness
- Green Building Rating Systems

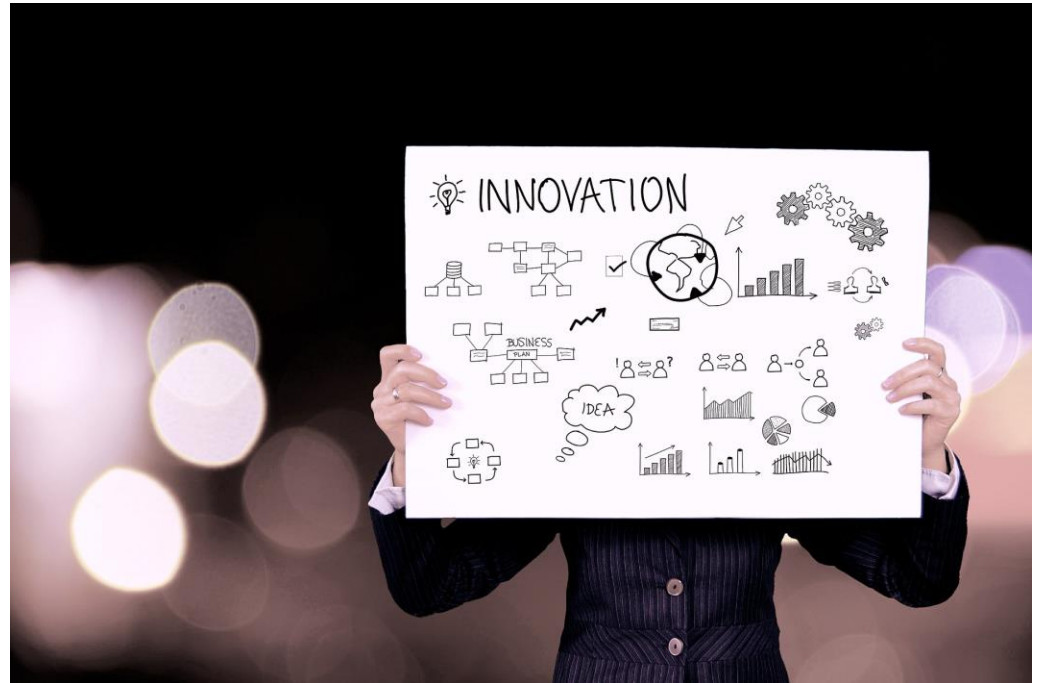


Image by Michael Jarmoluk from Pixabay

# WELL Standard Website



<https://www.wellcertified.com>

# Visit Our Project Website

<https://faculty.cnr.ncsu.edu/yuanyao/green-buildings-and-sustainable-materials/>

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