

The Fundamentals of Building Science:

Free, online learning modules



Comfort, Climate &
Buildings



Heat Transfer



Moisture &
Moisture Movement



Solar Radiation



Air Movement



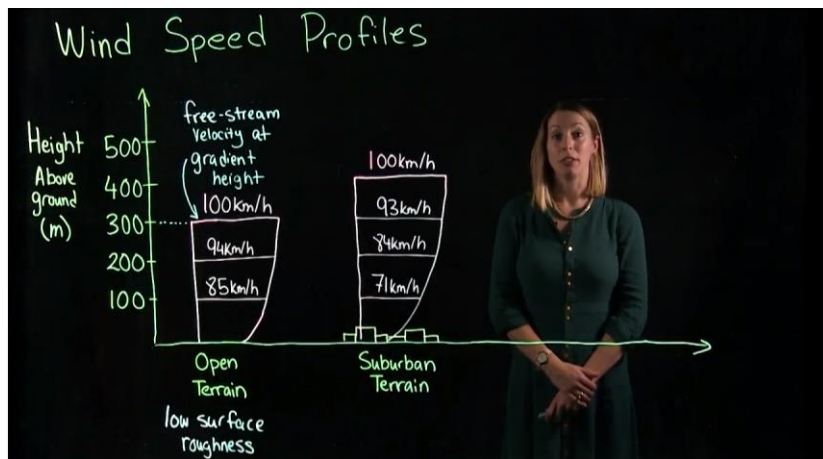
Case Studies



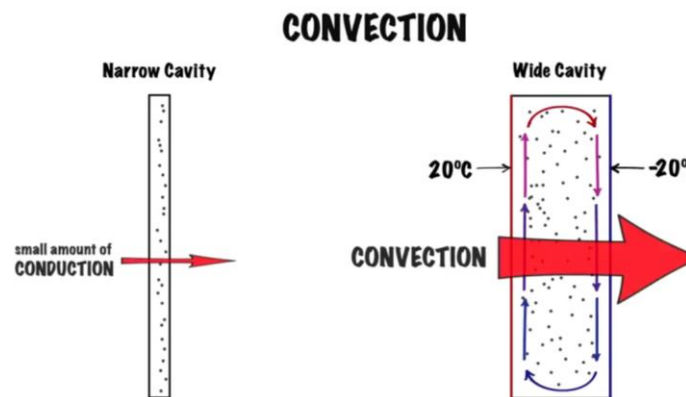
UNIVERSITY OF
TORONTO

Over 100 videos available for reuse and
download to various Learning Management
Systems or direct online access

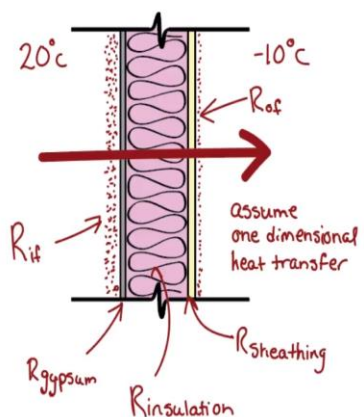
A variety of presentation formats with embedded interactive knowledge checks



Light Board



Motion Graphics



$$R_{TOT} = R_{if} + R_{gypsum} + R_{insulation} + R_{sheathing} + R_{of}$$

In general terms:

$$R_{TOT} = \sum_{i=1}^n R_i = R_1 + R_2 + R_3 + \dots + R_n$$

$$R_{TOT} = \frac{1}{C_1} + \frac{1}{C_2} + \frac{1}{C_3} + \dots + \frac{1}{C_n}$$

Tablet Capture



Live Demonstrations

How to access these modules

Visit: <http://edtech.engineering.utoronto.ca/project/building-science-fundamentals>

1. Scroll down to Project Components
2. Click on one of the components (e.g. "Heat Transfer") and then "Read More"
3. Once on the module page, click "View this Module"

Alternatively, if you are a university or college instructor, you can upload the SCORM packages in your Learning Management System

Enjoy and please let us know what you think!

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Funding for this project has
been provided by:

ecampus
Ontario