# Style Sheet for *Math for Trades*

*Last revised: April 9, 2020*

## Contact information

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# Spelling and Abbreviation List

## #

**90-degree angle/90 degrees**

## A-B

## C-E

centimetre

complementary

cos

## F-H

## I-M

impedance

inductive

isosceles

metre

millimetre

## N-R

okay

one-half

overcomplicate

Pythagoras’ theorem

quadrature

reactance

reactive

resistive

## S-T

sin

Tesla

towards

trigonometry

## U-Z

vectorially

vs.

wattles

waveform

X axis

XY-graph/XY-chart

Y axis

# Style

## Pressbooks Theme: Clarke

## General points

1. Write in an informal, friendly style.
2. Use a serial comma
3. Do not bold punctuation after bolded words.
4. Use present tense when describing hypothetical tradespeople and their businesses.

## Headings and Labels

1. Chapter and part titles use title case.
2. Heading 1s use title case, and Heading 2s use sentence case.
3. Headings within a chapter or section begin with Heading 1.

## Images

1. Do not link to “Media File” (Unless the student would need to see the full-size image to get all info. In this case, add the following to the caption: Click on the image to see it full size.)
2. Images of equations that cannot be reproduced in accessible LaTeX require alternative text descriptions added to the alt text field.
3. When the images are icons that don’t convey meaning, (i.e., an icon of a toilet), set the image to left or right-align and set the width to 100 px. Do not include a caption. If the image is decorative, no need for alt text.
4. “Note” images.
   1. Follow #3 style.
   2. Appear inside standard textboxes along with the text that is the “note.”

## Links

* Link text describes the destination of the link
* Internal links have class=“internal” so they are not printed in the Print PDF copy (see CSS)
* Links to other chapters are providing when mentioned.

## Math

1. All math is created with LaTeX and rendered with Mathjax.
2. Latex equations should prioritize meaning over display, which will ensure they are accessible to people using screen readers. If display is important, insert math as an image with alt text.
3. All math is centred on its own line
4. All math has \LARGE at the beginning to make it appear larger (unless the math has a lot of text and needs to fit on one line).

## Numbers

## When using numbers:

## Spell out numbers under ten (unless part of a math problem, then use numerals).

## Use numerals for the number 10 and above.

1. Hyphenate all fractions. This includes nouns and adjectives.

## Parts

* Each part includes a feature image
* Immediately following the feature image is a “Learning objectives” textbox renamed “Outcomes”
  + In the textbox are the outcomes listed in a bulleted list. Each point is an in the imperative, the first word is capitalized, and it ends with a period.

## Textboxes

1. Example textboxes are "Example” textboxes titled “Example.”
2. Exercise textboxes are “Exercise” textboxes titled “Question X,” X being the number of the question.
   1. Do not include question marks in exercises. “2 + 4 =”, not “2 + 4 = ?”
3. “Notes” use a standard textbox.

## Videos

* All videos are closed captioned
* Videos can be accessed from one of the following links:
  + [BCcampus Kaltura Account](https://video.bccampus.ca/channel/OER%2Bfor%2BTrades%253A%2BMath%2Bfor%2BTrades/116129)
  + [YouTube](https://www.youtube.com/channel/UCXCH7abhH6TbMqByP3R1tRA/playlists)

# CSS

We used the following CSS to adjust the style of our webbook and export formats as we wanted. These styles can be copied and pasted in Pressbooks under Appearance > Custom Styles > Your Styles.

## Web

.front-matter img, .part img, .chapter img, .back-matter img {

display: block;

height: auto;

margin-left: auto;

margin-right: auto;

max-width: 100%;

padding: 0;

page-break-inside: avoid !important;

prince-image-resolution: 135dpi; }

/\*Makes text with the "big" class 200% bigger\*/

.big {

font-size: 175%;

}

/\*Fix table styles\*/

.front-matter th, .part th, .chapter th, .back-matter th, body#tinymce.wp-editor th {

border: 1px solid;

border-color: #373d3f;

}

.front-matter td, .part td, .chapter td, .back-matter td, body#tinymce.wp-editor td {

border: 1px solid;

border-color: #373d3f;

}

#content table caption {

caption-side: top;

color:#000;

text-align: center; }

/\*Makes it so videos inside textboxes aren't larger than the textboxes\*/

div iframe {

max-width: 98%;

}

.front-matter h3, .part h3, .chapter h3, .back-matter h3, body#tinymce.wp-editor h3 {

font-size: 0.90em;

text-align: left;

}

## PDF

.front-matter img, .part img, .chapter img, .back-matter img {

display: block;

height: auto;

margin-left: auto;

margin-right: auto;

max-width: 100%;

padding: 0;

page-break-inside: avoid !important;

prince-image-resolution: 135dpi; }

/\*Makes text with the "big" class 175% bigger\*/

.big {

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border-color: #373d3f;

}

#content table caption {

caption-side: top;

color:#000;

text-align: center; }

/\*Reduces the size of video embeds\*/

.interactive-content img {

max-width: 40%;

}

.interactive-content {

border: none;

line-height: 1.2em;

margin-bottom: 0.5em;

padding: 0.5em 0.5em 0.5em 0.5em; }

/\*Solves the problem of teadbox headings being on different pages from their content\*/

.textbox\_\_header {

page-break-after: avoid;

}

/\*Makes it so right/left-aligned images in the PDF without captions will have text wrap properly\*/

.front-matter .wp-nocaption.alignright img, .part .wp-nocaption.alignright img, .chapter .wp-nocaption.alignright img, .back-matter .wp-nocaption.alignright img {

float: right;

}

.front-matter .wp-nocaption.alignleft img, .part .wp-nocaption.alignleft img, .chapter .wp-nocaption.alignleft img, .back-matter .wp-nocaption.alignleft img {

float: left;

}

.front-matter h3, .part h3, .chapter h3, .back-matter h3, body#tinymce.wp-editor h3 {

text-align: left;

font-size: 0.90em;

}

/\*Inserts web address after link text for all external links\*/

.print a:not(.internal, .media-atttributions)::after {

content: " (" attr(href) ")";

}

/\*Changes text alignment from justify to left\*/

p {

text-align: left;

}

## EBOOK

.front-matter img, .part img, .chapter img, .back-matter img {

display: block;

height: auto;

margin-left: auto;

margin-right: auto;

max-width: 100%;

padding: 0;

page-break-inside: avoid !important;

prince-image-resolution: 135dpi; }

.front-matter h3, .part h3, .chapter h3, .back-matter h3, body#tinymce.wp-editor h3 {

text-align: left;

}

/\*Makes text with the "big" class 200% bigger\*/

.big {

font-size: 175%;

}

/\*Fix table styles\*/

.front-matter th, .part th, .chapter th, .back-matter th, body#tinymce.wp-editor th {

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