# **Web Site Specifications – 2018**

## The most recent and accurate version of the web site is stored in our GitHub repository at:

## <https://github.com/usfirst-frc-2135/website>

## Use recent HTML standards and use a good set of foundation tools. (reference w3schools.com)

## Use either Adobe Dreamweaver CS5.5 or later OR Brackets (open source) for development.

## Always use language constructs that are version HTML 5 or later (avoid deprecated constructs).

## Use Cascading Style Sheets (CSS) to define styles and adopt existing CSS styles on web site for consistency.

## Use Bootstrap 3.0 or later framework for supporting a *responsive* web site (dynamic support of different display sizes).

## Conventions

## Keep image sizes down to < 150k to 400k in size for fast loading—especially on pages with multiple images.

## Convert all images to JPEG if needed and use the *quality* setting to make smaller files.

## Retain image originals in appropriate folder for later reference.

## Minimize perishable content—***most*** pages should require only very minor annual updates.

## Consolidate perishable content—areas that require updates should be consolidated (Blog page, Leadership page, etc.)

## Pages should use the same verb tenses and be written such that they read well long after initial publication.

## Images should be used to accentuate the text content and break up long paragraphs.

## Image subjects must capture the overall ***team*** event and not focus on individual team members.

## Use/modify existing web site pages as examples to provide consistency before adding new pages/navigation.

## The existing Home page carousel slides require an image resolution of 940 x 529 pixels to prevent “jittering” behavior.

## After updating and *testing*, always save (push) the files to the GitHub repository.

## Possible To-Do List

## Update main page carousel (resolution 940x529 and be approx. < 150k to 400k in size)

## Scrub through pages to make an “annual update list” that need changes. (We can add the list to this doc for next year)

## Could use a better banner than the Pres plaid with our color scheme.

## Home page text block could be a slightly longer/more informative.

## How to create a new web site page.

## Copy the file bootstrap-phs.html and rename it using the format “topmenu\_pagename.html” where “topmenu” is the top level menu the page will reside under and “pagename” is the exact pagename that will be shown to the user.

## OR copy and rename an existing web page source file that is similar to what the new page will look like.

## Open the new file in Brackets/Dreamweaver and search for the area AFTER the standard navigation bar and BEFORE the standard header. It will be within the container and theme-showcase classes and clearly marked by HTML comments as shown in the (abbreviated) structure shown:

<html>

<head>

[THESE ARE REFERENCE FILES AND PATHS THAT ALLOW HTML, BOOTSTRAP, AND JSCRIPT TO FUNCTION]

</head>

<body>

<!-- Fixed navbar -->

[THIS IS THE MENU NAVBAR AREA COMMON TO ALL PAGES AT THE TOP OF THIS PAGE]

<!-- Banner -->

[THIS IS THE PAGE BANNER FOR ALL PAGES BEFORE THE PAGE CONTENT]

<!-- Main content area for this page -->

[THIS IS WHERE THE PAGE CONTENT GOES THAT MAKES IT DIFFERENT THAN OTHER PAGES]

<!-- End of Main content area -->

<!-- Footer -->

[THIS IS THE PAGE FOOTER THAT IS IDENTICAL FOR ALL PAGES]

</body>

</html>

## Insert new code within this region. Any existing sample code may be overwritten.

## Please keep the page-header title and style at the beginning of the page.

## Use the standard theme fonts and don’t make significant changes unless there is an exceptional reason.

## Web site directory and file structure:

## The web structure must be kept very flat.

## Directory structure:

## All html files at top level using “topmenu\_pagename.html” naming convention.

## All images stored “img” directory, and organized into sub-folders that match the names of their web pages

## Documents and PDFs referenced by pages for downloading (safety manual, sponsor info, and team handbook) in a “docs” directory

## CSS files in the “css” directory—try to use previously defined styles.

## Javascript files in a “js” directory

## Fonts used by web pages in the “fonts” directory

## Reference files (unused/unseen by web users) in a “samples” directory

## Navigation structure

## No more than three levels (two clicks) to reach any page, and most should be reachable within one click.

## Minimize any web pages not referenced by the top level navigational structure to prevent confusion. [Future work] An example of these types of pages might include old blog pages as new ones are added. A navigational list of blog pages should somehow be present on the blog main page, but not referenced elsewhere.

## The structure is shown below, and all of the boxes shown are reachable from the navigation bar.

# **Historical info from last major update in 2016 (for reference only)**

# Web Site Changes – 2016

## Update foundation to latest HTML standards and incorporate a good set of foundation tools.

## Use Adobe Dreamweaver CS5.5 for development.

## Updated to HTML 5 and CSS.

## Chose Bootstrap framework (like a library) for setting a theme and extending CSS.

## Bootstrap allows mobile-friendly format for collapsible navigation bars

## Created a new Home page and template page.

## Still could use a better banner (currently Pres plaid)

## Any photos updated on main web page carousel must have same resolution (940x529) and be < 150k in size (saving in JPEG high quality can meet this)

## Text block could be a little longer/more informative.