

# An Unfortunate Necessity

## Building an SCA A&S Website and taking good Photographs for it

Mistress Kaleeb Auon Khadrea  
[Pellison@Galtham.org](mailto:Pellison@Galtham.org)  
[Kaleeb.galtham.org](http://Kaleeb.galtham.org)

Master Llwyd Aldrydd  
[BaronLlwyd@gmail.com](mailto:BaronLlwyd@gmail.com)  
[BaronLlwyd.org](http://BaronLlwyd.org)  
[LearnFiore.org](http://LearnFiore.org)  
[LloydTech.org](http://LloydTech.org)

# Outline

- Why do I need an SCA website?
- What do I put on it?
- Setting up your website
- Picture Planning
- Composing
- Using your pictures

# Disclaimer

- This class is focused on one easy to understand & free route to producing a good SCA website. There are lots of options that we will not be discussing in this class.
- We **will not have time to discuss** things like
  - other site building systems (Weebly, Joomla!, Drupal, etc.)
  - other bloggling approaches (tumblr, Pinterest)
  - hosting
  - domain names
  - “Fair Use” of copyrighted material
- Feel free to research them and make other choices.

# Why do I want an SCA Website?

- Make your work visible outside of your local group to help with SCA recognition
- Share your knowledge, work, enthusiasm
- Find other folks interested in your topic

# What is your Site About?

- All of your A&S Work?
- A more specific topic?
- What is your audience and what is their knowledge of your topic?
- Start small and expand over time.

# Defining your site

- Break your subject into subtopics; categorize
  - By year or era
  - By country or region (Spanish/English/French...)
  - By something else (shirts/pants/hats, daggers/axes/swords, etc.)
- Do you have about 1-3 sheets of paper worth of material for each category?

# What do you put on your site?

## (1 of 3)

- Your own work
  - Pictures with captions
  - Tutorials
  - Videos
  - Your documentation
  - PDFs of handouts

# What do you put on your site?

## (2 of 3)

- About You Page
  - Name
  - Picture of you
  - Contact info
  - Background
  - Link to your Order of Precedence (awards list) page on the Atlantia site
  - List of classes taught
  - SCA resume/link to Atlantian Wiki

# What do you put on your site?

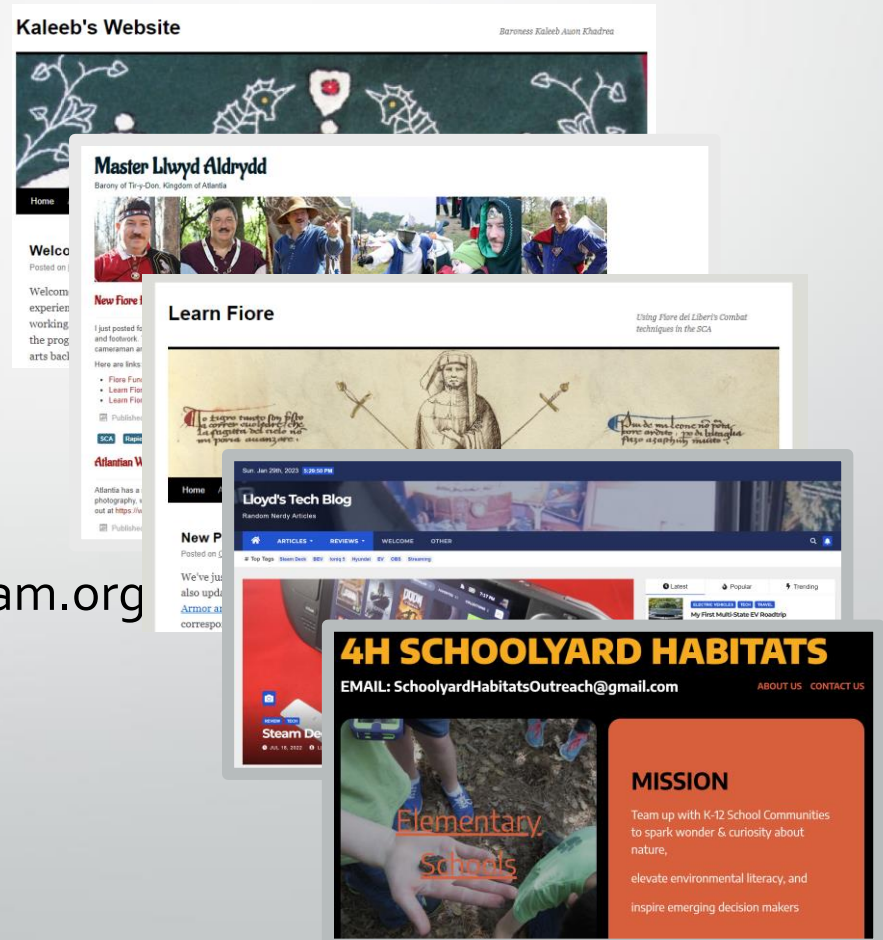
## (3 of 3)

- References to period sources
- Links to other people's work
  - Do not post other people's work without permission and credit
  - "Fair Use" is a legal standard for use of copyrighted material without permission. Google it for more information.
  - Linking to someone else's site is the preferred approach.

# Setting up a website

## part 1: Look at other sites for ideas

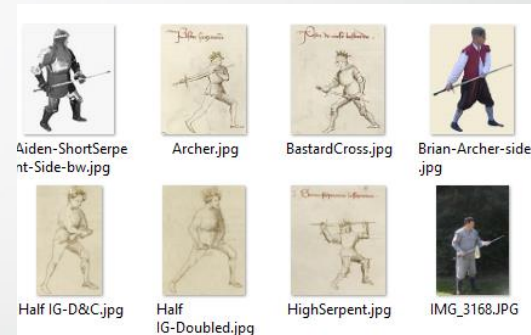
- Our websites
  - Kaleeb.galtham.org
  - BaronLlwyd.org (Joomla!)
  - LearnFiore.org
  - LloydTech.org
  - 4hschoolyardhabitat.galtham.org



# Setting up a website

## part 2: Collect your materials

- Collect what you have
  - Locate existing pictures or artwork
  - Locate existing class handouts, papers, links
- List what you need to create
  - New pictures
  - New descriptions



Name	Date modified
12D-Fencing.pdf	10/20/2009 1:00 AM
Army Communications.pdf	10/18/2007 1:00 AM
FioreCards.pdf	11/18/2015 5:42 PM
Intro2PeriodRapierMan.pdf	5/28/2014 1:00 AM
KRMduties.docx	3/19/2016 8:50 AM
KRMduties.pdf	3/19/2016 8:53 AM
Measure and Tempo.pdf	1/30/2013 12:00 AM
Modern-resume.pdf	3/30/2016 5:51 PM
SCA-resume.pdf	3/19/2016 9:01 AM
Spectators Guide Handout.pdf	6/9/2010 1:00 AM
Sword bending.pdf	1/21/2013 12:00 AM
TheOrderoftheSeaStag.pdf	2/21/2016 11:00 PM
Unevent2010.pdf	12/5/2010 12:00 AM
Unevent2010-v1.pdf	11/30/2010 12:00 ...

# Setting up a website

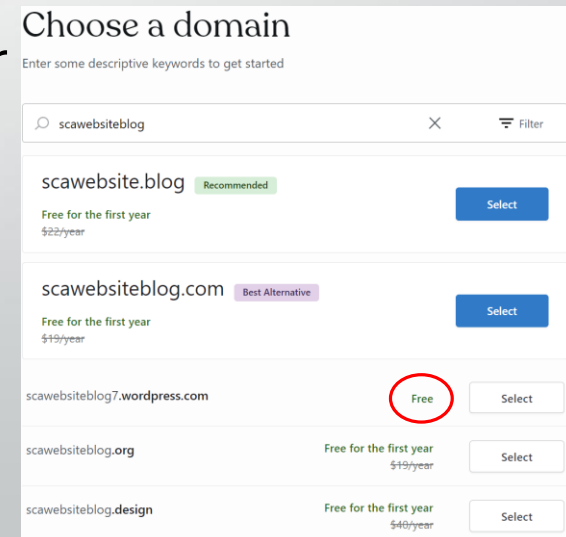
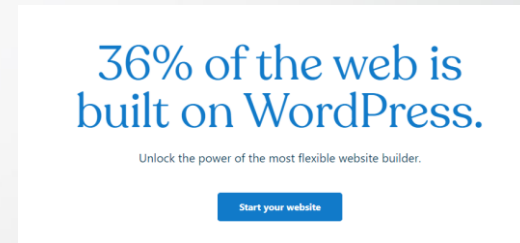
## part 3: pick a name

- Your sca name (Kaleeb)
- Your name and title (BaronLlwyd)
- The topic of your work (LearnFiore)
- Have a couple of different ideas ready
- Don't worry about the .com/.org/.net etc extension

# Setting up a website

## part 4: your Wordpress account

- Go to wordpress.com
- Click “Get Started”
- Create or login to an account
- Type in your first website name idea
- Select free options, or try one of your other name ideas. Repeat until you find an available choice that you like.
- Write down your final site name and password



# Answer Some Questions about your Site

## What are your goals?

Tell us what would you like to accomplish with your website.

Select all that apply

☒ Write & Publish

☐ Sell online

☐ Promote myself or business

☐ Get a website quickly **Premium**

☐ Import my existing website content

☐ Other

## What's your website about?

Choose a category that defines your website the best.

First, let's give your blog a name



Blog name (optional)

Site Title

Tagline (optional)

♀ In a few words, explain what your blog is

Continue

Nice job! Now it's time to get creative.

Don't worry. You can come back to these steps!



Draft your first post

Start writing and build an audience

Start writing



Watch Blogging videos

Learn the blogging basics in minutes

Start learning



Choose a design

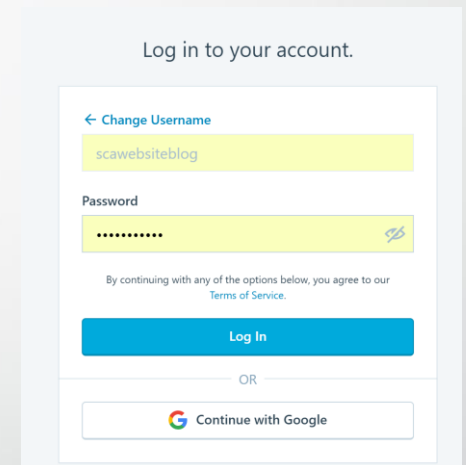
Make your blog feel like home

View designs

# Setting up a website

## part 5: Logging into your Website

- Remember the website and password you reserved at wordpress.com
  - Probably **sitename**.wordpress.com
- Using your web browser (Chrome, IE, etc) go to <http://yourwebsite/wp-admin>
- Log-in with your username (site name) or email and password if necessary



Log in to your account.

[← Change Username](#)

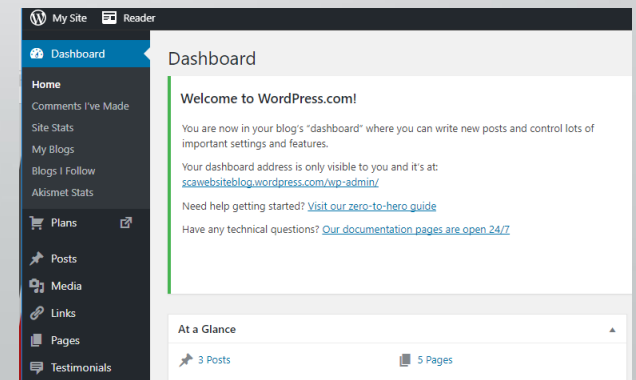
Password

By continuing with any of the options below, you agree to our [Terms of Service](#).

[Log In](#)

OR

[Continue with Google](#)



# Wordpress Interface

The image shows the WordPress dashboard interface. On the left is a dark sidebar menu with various options. A red circle highlights the 'Posts', 'Media', 'Links', and 'Pages' items. Another red circle highlights the 'Appearance' item. A yellow callout box points to these four items with the text 'These 4 items add things to your site'. A second yellow callout box points to the 'Appearance' item with the text 'Themes, menus, widgets, lots of other settings are here'. The main content area of the dashboard includes a top navigation bar with 'My Site' and 'Reader' links. Below this is a security notification about two-step authentication. The dashboard itself features several widgets: 'At a Glance' showing 3 posts and 6 pages; 'Quick Draft' for creating new content; 'Storage Space' showing 3,072 MB allowed and 0.31 MB used; 'Activity' showing recent publications; 'WordPress Events and News'; and 'Your Stuff'.

My Site Reader

Dashboard

Home

- Comments I've Made
- Site Stats
- My Blogs
- Blogs I Follow
- Akismet Stats

Plans

- Posts
- Media
- Links
- Pages
- Testimonials
- Comments
- Feedback
- Appearance
- Plugins
- Users
- Tools
- Settings

Tighten your account's security: Two-step authentication is now available on WordPress.com. [Enable now](#) or [learn more](#).

## Dashboard

**At a Glance**

3 Posts 6 Pages

WordPress.com running Twenty Ten theme.

**Storage Space**

3,072 MB Space Allowed 0.31 MB (0%) Space Used

**Quick Draft**

Title

What's on your mind?

Save Draft

**Activity**

Recently Published

Oct 15th, 8:11 pm Featured Content

Oct 19th, 6:11 pm Featured Content

**WordPress Events and News**

Attend an upcoming event near you.

Suffolk, VA, USA

Wednesday, Jan 10, 2018 9:30 am

Network: Ask, Advise, Discuss, and Learn

Suffolk, VA, USA

Wednesday, Feb 14, 2018

**Your Stuff**

# Setting up a website part 6: Themes

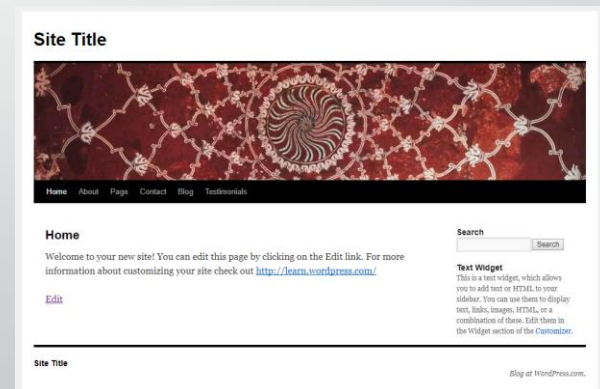
- **“Themes”** define your overall layout
- See [wordpress.com/themes](https://wordpress.com/themes) for 100's of options
- You'll replace all the pictures and text from the theme later

Themes can completely change the look-and-feel of your site.

Themes can even change how you edit your site!



Default theme “Dara”



New theme “Twenty Ten”

# Themes Walkthrough

2. Scroll through the list and select one to try.

I like a theme named "Twenty Ten", so I searched for "Twenty"

Themes

9

Twenty

Trending

Popular

Newest

Twenty Sixteen

The WordPress default theme for 2016

Home Style Guide About Contact

Come Sail Away with Me

Individually, we are one drop. Together, we are an ocean.

ABOUT

Twenty Sixteen is a modernized take on an ever-popular WordPress layout — the two-column magazine style with an optional right sidebar that works perfectly for blogs and websites. It has custom color schemes and beautiful default color schemes, a responsive design using a fluid grid approach, and generates pretty toasty HTML. Twenty Sixteen will make your WordPress look beautiful once again.



Twenty Sixteen

3. Some themes cost money. There are many great free ones to try. Select "preview" or "activate" to view

Dashboard

Plans

Posts

Media

Links

Pages

Testimonials

Comments

Appearance

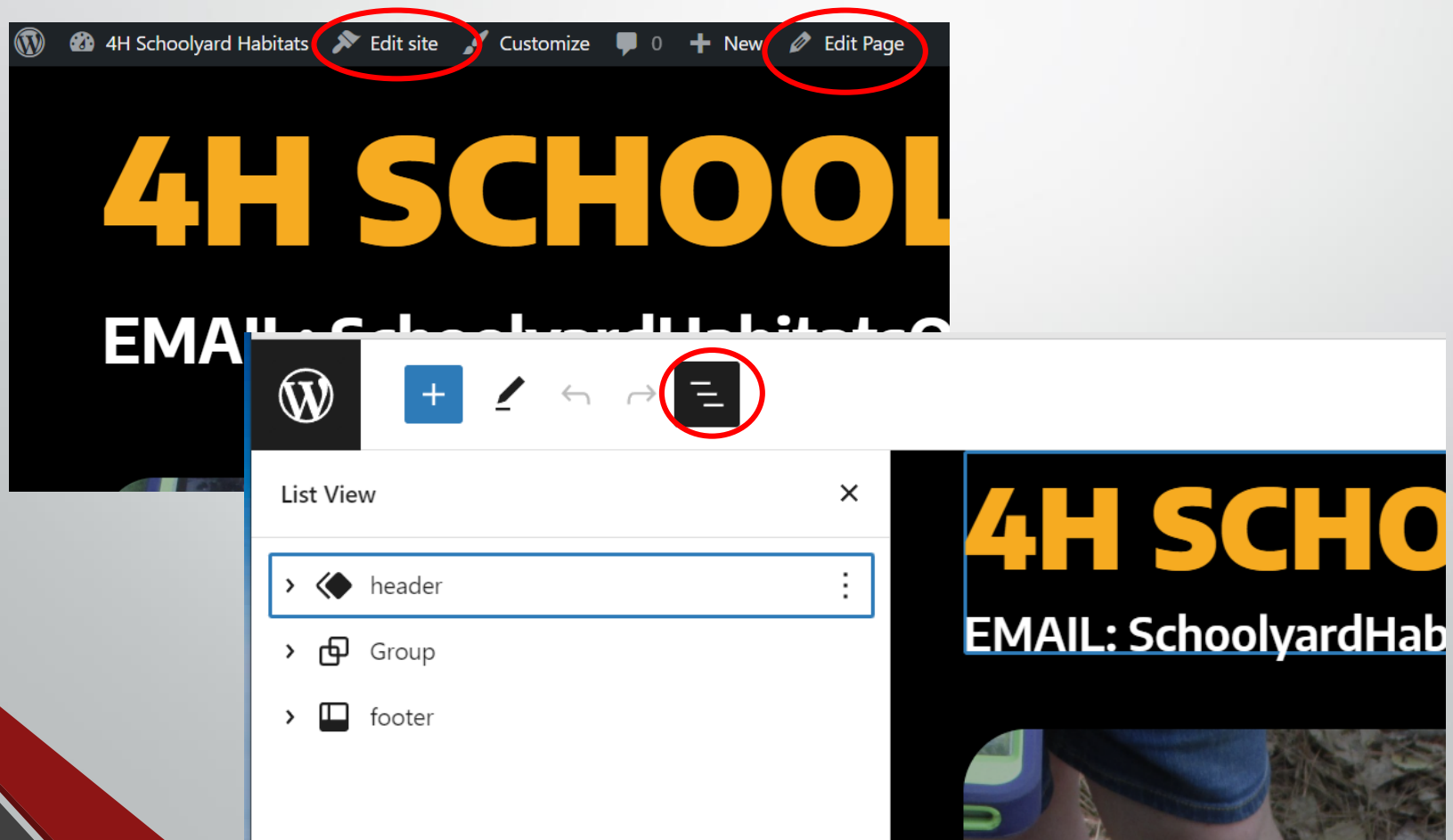
Themes

Customize

Widgets

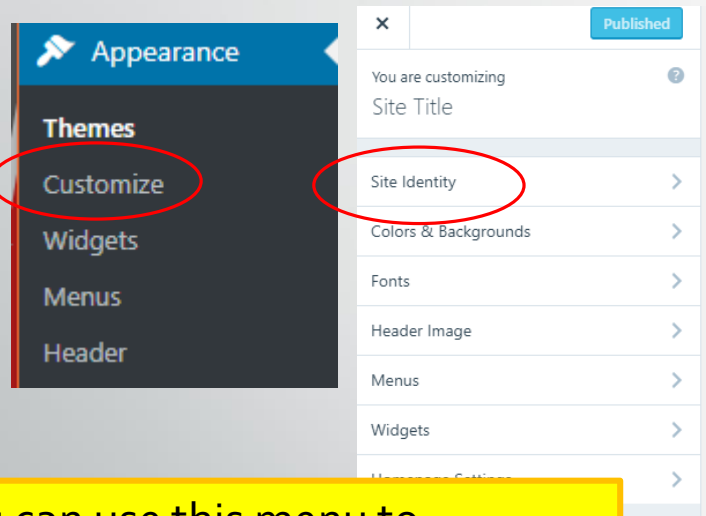
1. Select Themes under "Appearance"

# New Full-Site Editing (FSE) on Some Themes



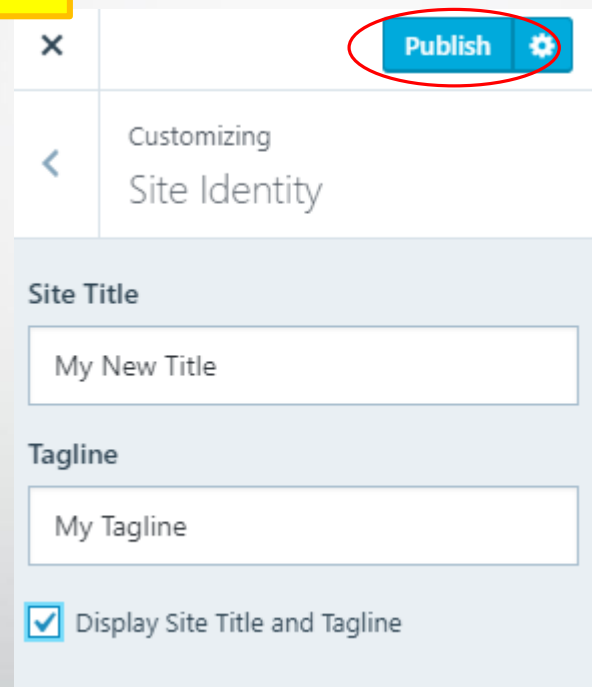
# Themes Walkthrough – (Non FSE)

1. Select "Appearance", then "Customize"

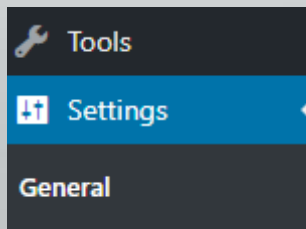


2. You can use this menu to customize the theme: Set your site title, the image used at the top of the page, your color scheme, and fonts.

3. Hit the blue button to save your changes.



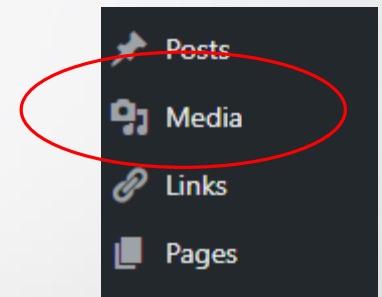
4. Some of these options can also be found in Settings>General.



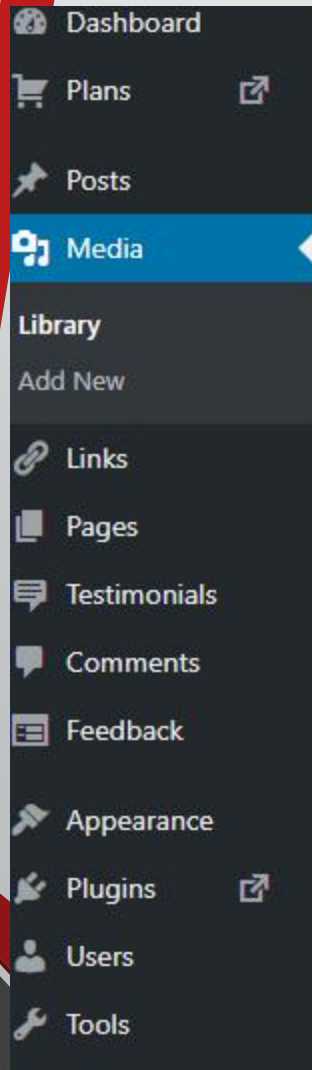
# Setting up a website

## part 7: Pictures, PDFs, & Files

- Wordpress calls these “**Media**”
- Upload some pictures or PDFs for your site
- If you can reduce the resolution of pictures before uploading you’ll save space and time - your free site is limited to 3000 MB



# Media Walkthrough



Tighten your account's security: Two-step authentication is now available on WordPress.com.

Click this "Add New" Button to upload your own pictures and PDFs

Media Library [Add New](#)

There's an easier way to manage media on WordPress.com. [Switch to the improved experience.](#)

You are currently using 312.4 KB out of 3.0 GB upload limit (0%).

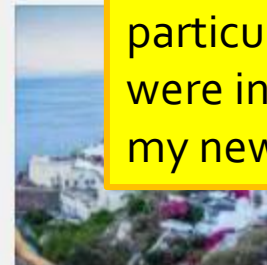
Did you know that you can upload videos and embed them directly on your blog with VideoPress included?



All media items ▼

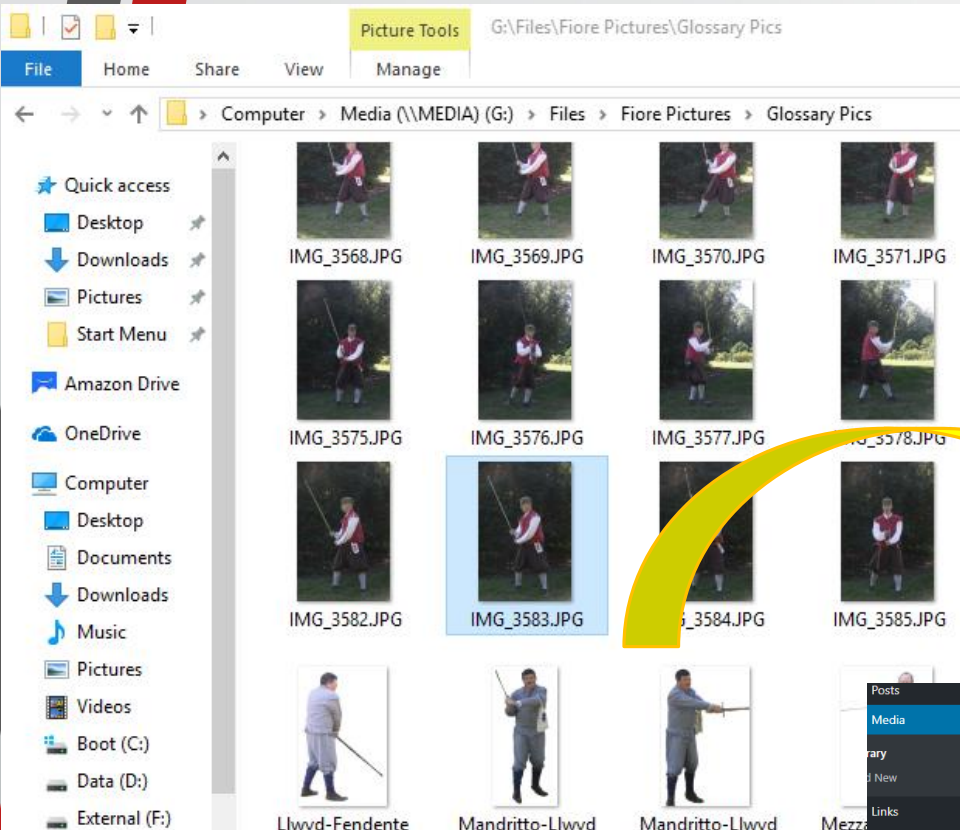
All dates ▼

Bulk Select

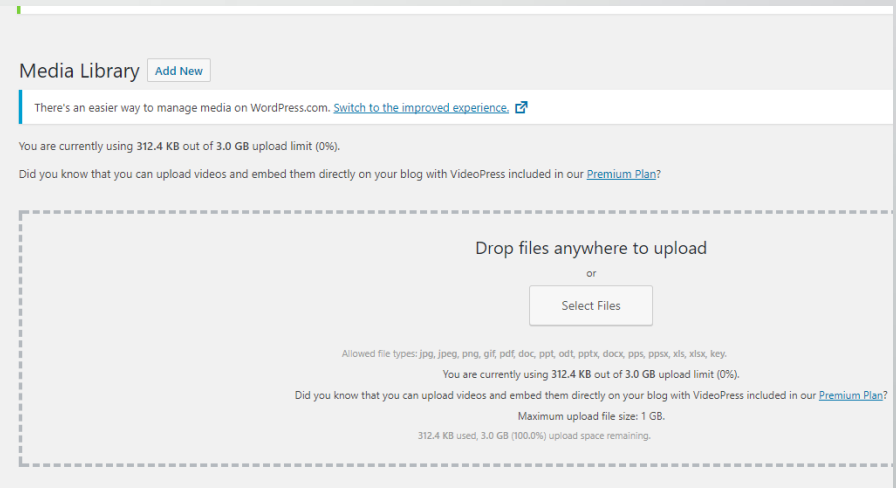


Your current media files. These particular ones were included with my new site.

# Media Walkthrough

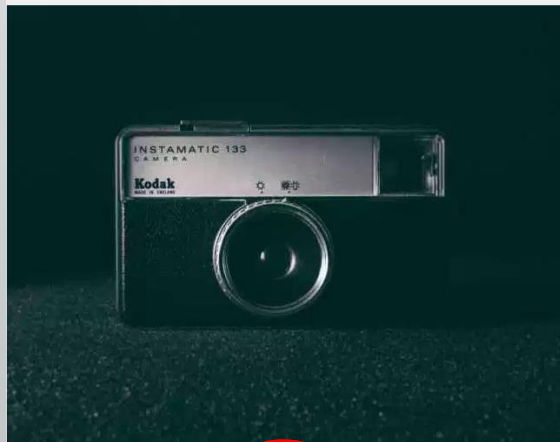


Drag your files onto this window to upload them to Wordpress.



# Photo Editing in Wordpress

Scaling, cropping, and rotating is possible within Wordpress itself



Edit Image

## Attachment Details

Crop

Rotate



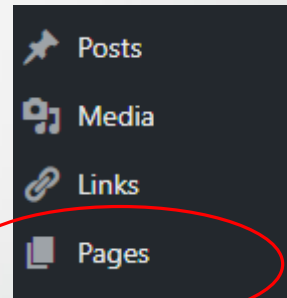
Cancel

Save

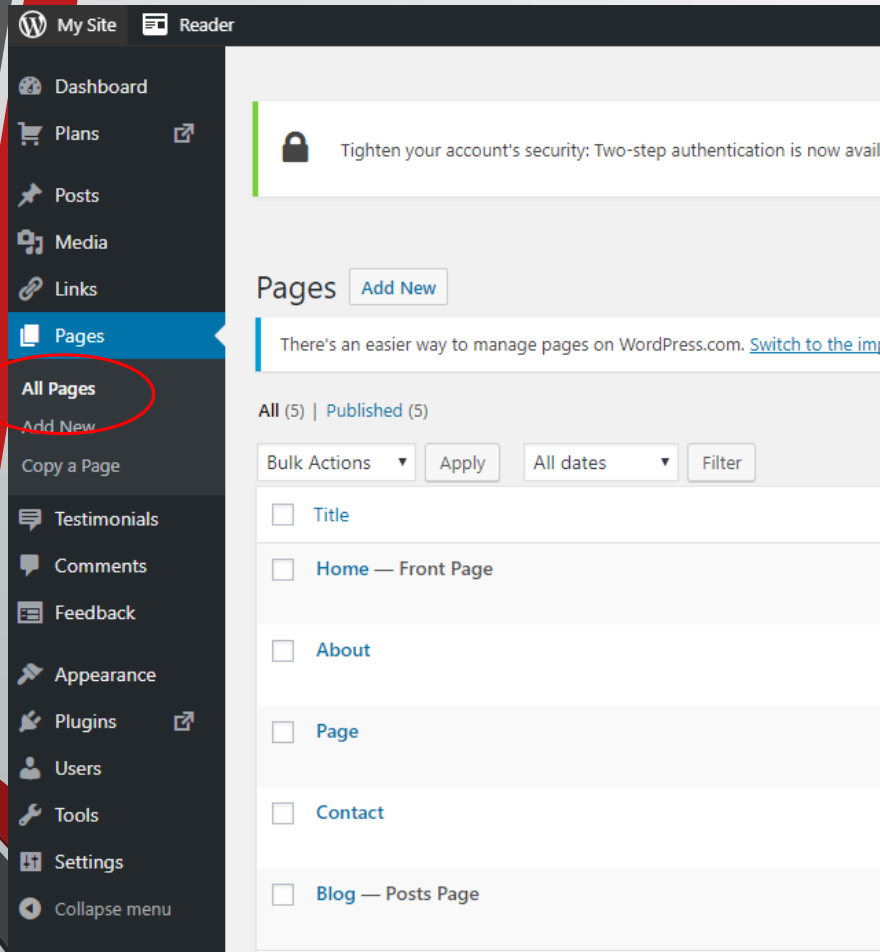
# Setting up a website

## part 8: Pages

- Use the simple word processor tools to write your text. Remember your target audience.
- Add your pictures to illustrate your words.
- Edit and tweak the page until happy, remember to hit the “Update” button
- See your work
  - Open your site in another window and hit the refresh button to verify your changes



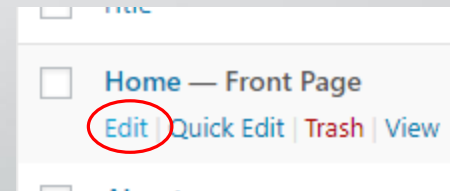
# Pages Walkthrough



Wordpress starts you with 5 sample pages. You should edit these to start, then you can add more if you want.

Select “All Pages” under “Pages” to see all of the current pages.

Hover over the “Home” page and select “Edit” under it.



# Pages Walkthrough

Editing your page is just like using a word processor.

The screenshot shows the WordPress 'Edit Page' interface. On the left is a sidebar with navigation links: Dashboard, Plans, Posts, Media, Links, Pages (highlighted), All Pages, Add New, Copy a Page, Testimonials, Comments, Feedback, and Appearance. The main content area is titled 'Edit Page' with an 'Add New' button. Below the title is a text input field containing 'Home', with a red arrow pointing to it from a yellow callout box. Below the title field is a 'Permalink' field showing 'https://scawesiteblog.wordpress.com/'. Below the permalink are buttons for 'Add Media', 'Add Poll', 'Add Contact Form', and 'Add Location'. A red arrow points to the 'Add Media' button from a yellow callout box. Below these buttons is a rich text editor with a 'Paragraph' dropdown and various formatting icons (bold, italic, list, link, etc.). The text in the editor reads: 'Welcome to your new site! You can edit this page by clicking on the Edit link. For information about customizing your site check out <http://learn.wordpress.com/>'. A red arrow points to the text in the editor from a yellow callout box. On the right side of the editor is a 'Publish' sidebar. It contains a 'Preview Changes' button, 'Status: Published' with an 'Edit' link, 'Visibility: Public' with an 'Edit' link, and a date/time stamp 'Oct 19, 2017 @ 18:11' with an 'Edit' link. At the bottom of the 'Publish' sidebar is a blue 'Update' button, which is circled in red and has a large red arrow pointing to it from a yellow callout box.

Set the name of the page here.

Click in the text portion of the window and change the text to be more specific for your site.

Hit this "Add Media" button to add one of your uploaded pictures to the page.

Check your page, tweak, save, and check again until you're happy!

Click the blue "Update" or "Publish" button on the right to save your edits.

# Adding Links to your Pages

1. Linking to other sites or pages is a very common, and easy, addition to your pages

2. Type a description of the item you're linking to, highlight it, then...

3. Click the chain icon to bring up a window where you can type the web address of what you are linking to.

4. Remember to hit the blue update button to save your work!

The screenshot shows a text editor interface. At the top is a toolbar with various formatting options. A red arrow points from the 'Chain' icon (a link symbol) in the toolbar to a yellow callout box. Below the toolbar, the text 'Here are some other good Fiore resources:' is followed by a section titled 'Recommended Fiore Books'. Under this section, there is a paragraph of text: 'This is an excellent reproduction of the Getty version of Fiore's book. Crisp illustrations, easy to read text (if you read medieval Italian). Buy it on Amazon'. A red arrow points from a yellow callout box to the underlined text 'Buy it on Amazon'. Below this text, a small window is open, showing the URL 'amzn.to/2lZQnSt' and a blue 'Update' button. The bottom of the screenshot shows the beginning of another line of text: 'Fiore dei Liberi's Armizare: The Chivalric Martial Arts System...'.

Paragraph ▼ B I [List Icons] [Quote Icon] [Align Icons] [Link Icon] [Table Icon]

ABC - A [Text Icons] [Undo/Redo Icons] [Help Icon]

Here are some other good Fiore resources:

### Recommended Fiore Books

*S Ludwig XV 13 (Italian Edition), Fiore Dei Liberi , ISBN 978-*

This is an excellent reproduction of the Getty version of Fiore's book. Crisp illustrations, easy to read text (if you read medieval Italian). Buy it on Amazon

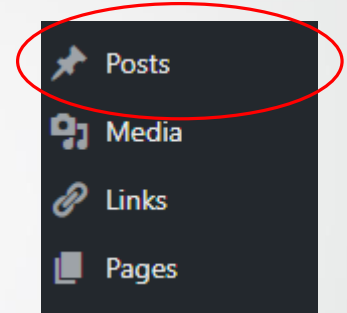
[amzn.to/2lZQnSt](https://amzn.to/2lZQnSt) [Update Button] [Close Icon]

*Fiore dei Liberi's Armizare: The Chivalric Martial Arts System*

# Setting up a website

## part 9: Posts

- The **“Blog”** page of your site is configured to act as a simple blog where you can add short news or other update items.
- Items are added to this page using the **“Posts”** menu option.
- **Edit your text and add pictures just like when creating a standalone page.**
- You can make this blog your front page if you want later on, but only if you’re going to post regular updates about what you’re doing, teaching, or have recently added to the site (see LearnFiore.org)



### Welcome again!

Posted on [February 5, 2014](#) by [Kaleeb The Green Eyed](#)

Welcome to my new website. I have begun experiences in the SCA. I expect that it will working. I needed to start with a small section of the program and not get too overwhelmed. I have an arts background and not a computer background.

### New Pages and Flashcards!

Posted on [October 8, 2017](#) by [Llwyd Aldrydd](#)

We've just added new photo pages for Fiore's [Sword and Shield](#) and also updated the previous set of [Longsword Posta flashcards](#). We've also added [Armor and Dagger](#) Posta flashcards. We've even added a corresponding set of flashcards coming soon.

# Allow Comments?

**Discussion**

☐ Allow comments

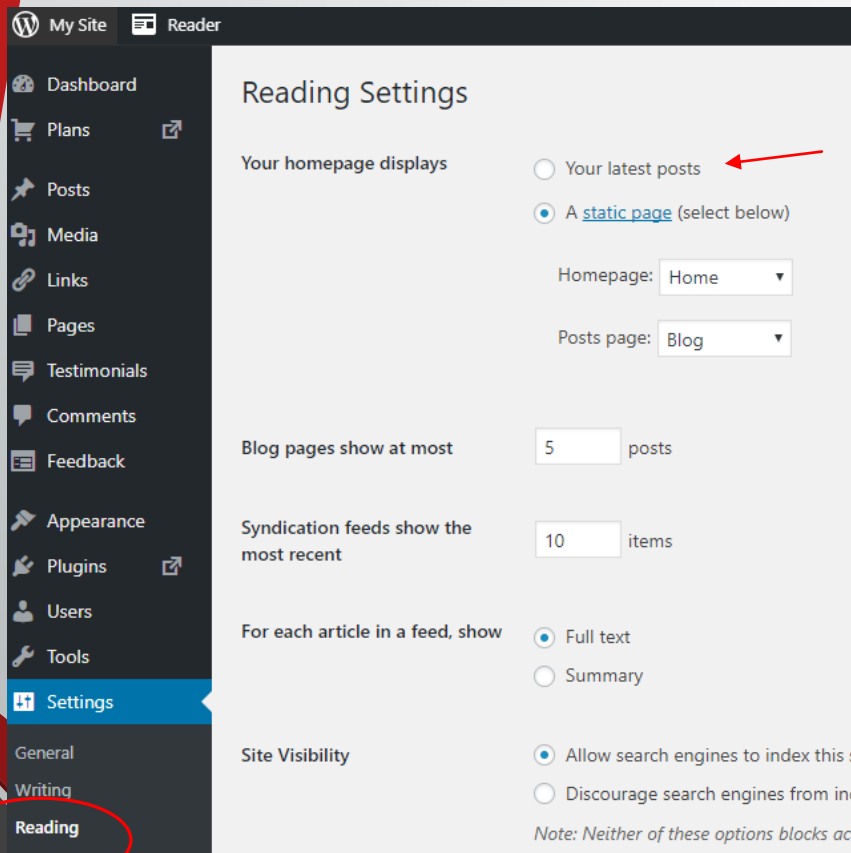
☐ Allow [trackbacks and pings](#) on this page

- Some sites allow site readers to respond and discuss posts on the site.
- We don't recommend this due to spam issues.
- Facebook or a full featured blog are better choices.

# Emphasizing your Blog?

OPTIONAL!!!

You can make your blog page your front page by choosing "Settings", then "Reading".

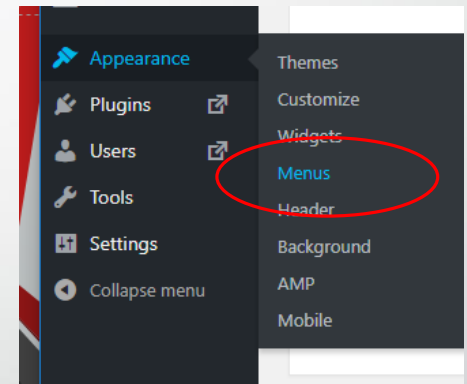


Click here to change which page appears when visitors first load your site.

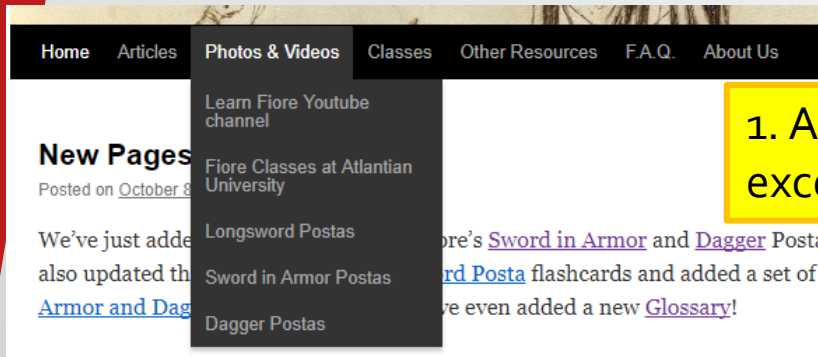
# Setting up a website

## part 10: Menus and Navigation

- Depending on your theme selection, you may have one or more menus
- Menus are used to organize your pages and assist your readers in finding what they are interested in.
- Without a menu or links readers will not find anything other than your front page.
- Select “Appearance/Menus” option on the left side controls.



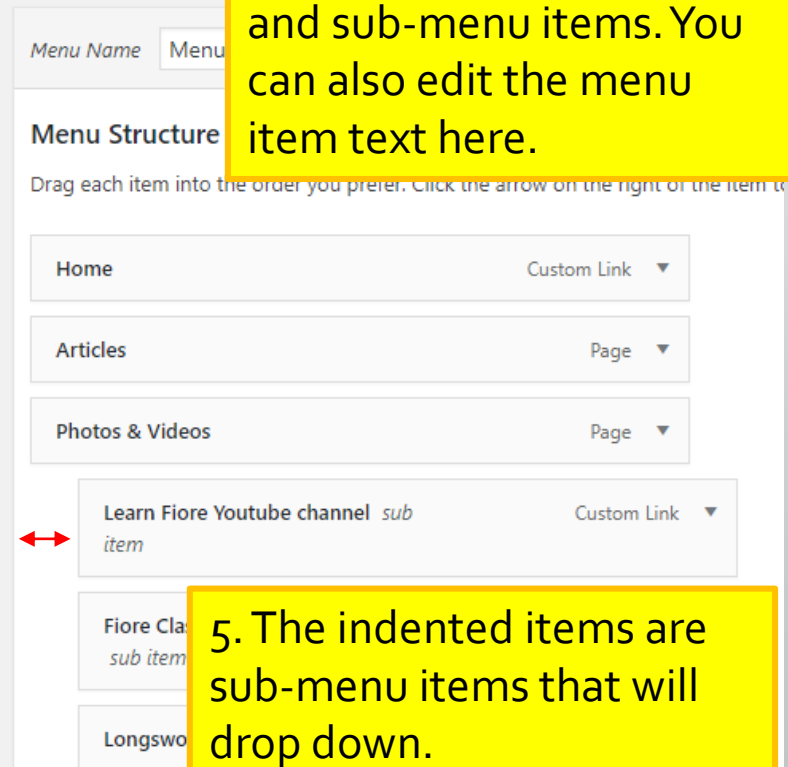
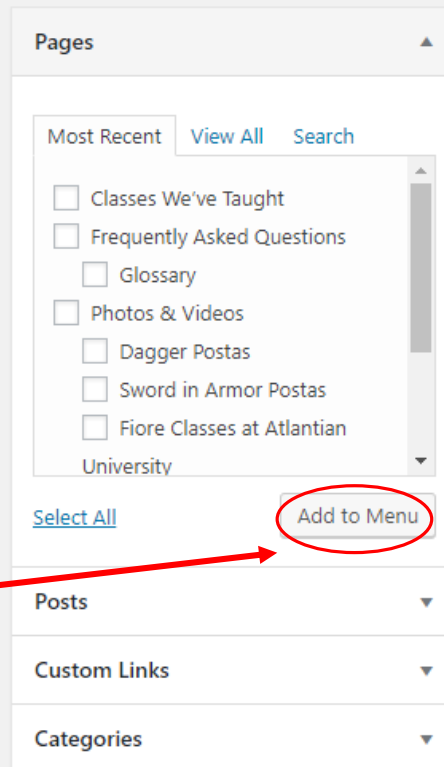
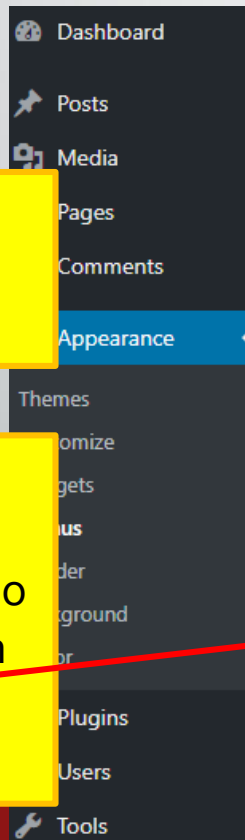
# Menu Walkthrough



1. All items are pages on our site except for the YouTube channel item.

2. Select "Appearance", then "Menus"

3. Add a new page, blog post or outside link to your menu with the left side options.



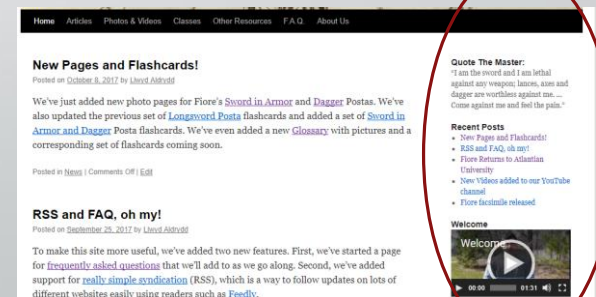
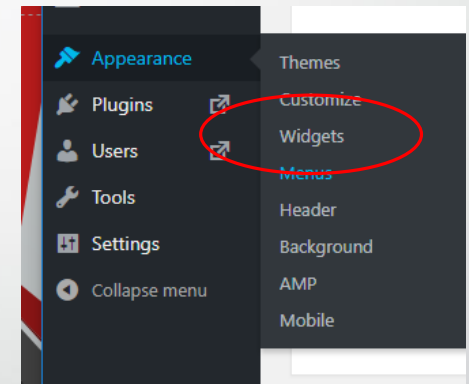
4. Drag your items around in the "Menu Structure" section to order your menu and sub-menu items. You can also edit the menu item text here.

5. The indented items are sub-menu items that will drop down.

# Setting up a website

## part 11: Widgets (*advanced*)

- Most themes have a side bar that you can add useful information or more navigation to.
- These items are called “widgets” and are accessed under the Appearance menu.
- You can add widgets to the side or bottom (“footer”) of your pages.
- Look at other pages for ideas.



# Widget's Walkthrough

The screenshot shows the WordPress dashboard's 'Widgets' page. On the left is a dark sidebar menu with options: Dashboard, Posts, Media, Pages, Comments, Appearance (highlighted in blue), Themes, Customize, Widgets, Menus, Header, Background, Editor, and Plugins. The main content area is titled 'Widgets' and includes a 'Manage with Live Preview' button. Below this is the 'Available Widgets' section, which contains a grid of widget boxes with their names and brief descriptions: Archives, Audio, Calendar, Categories, Custom HTML, Gallery, Image, and Meta. A yellow curved arrow originates from the 'Categories' widget box and points towards the 'Primary Widget Area' on the right. The right side of the screen displays three widget areas: 'Primary Widget Area' (containing 'Text: Quote The Master:', 'Recent Posts', 'Video: Welcome', and 'Text: Follow Us'), 'Secondary Widget Area', and 'First Footer Widget Area'. Each area has a dropdown arrow to indicate it can be expanded.

**Dashboard**

- Dashboard
- Posts
- Media
- Pages
- Comments
- Appearance**
- Themes
- Customize
- Widgets
- Menus
- Header
- Background
- Editor
- Plugins

## Widgets

[Manage with Live Preview](#)

### Available Widgets

To activate a widget drag it to a sidebar or click on it. To deactivate a widget and delete its settings, drag it back.

<b>Archives</b> A monthly archive of your site's Posts.	<b>Audio</b> Displays an audio player.
<b>Calendar</b> A calendar of your site's Posts.	<b>Categories</b> A list or dropdown of categories.
<b>Custom HTML</b> Arbitrary HTML code.	<b>Gallery</b> Displays an image gallery.
<b>Image</b> Displays an image.	<b>Meta</b> Login, RSS, & WordPress.org links.

### Primary Widget Area

Add widgets here to appear in your sidebar.

- Text: Quote The Master:
- Recent Posts
- Video: Welcome
- Text: Follow Us

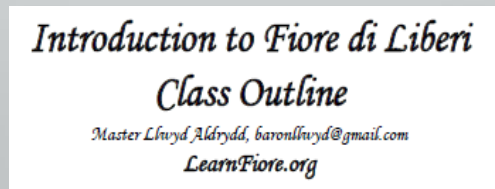
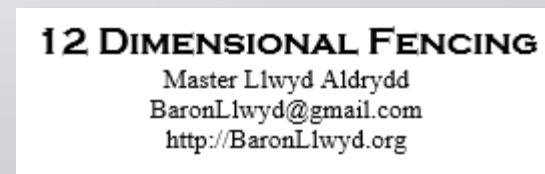
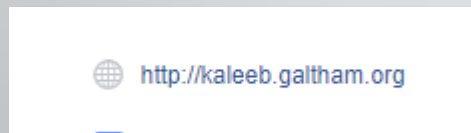
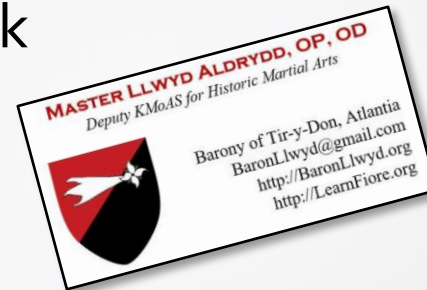
### Secondary Widget Area

### First Footer Widget Area

Drag and Drop Widgets to order and position them

# Share your Website

- Announce it on Facebook, Pinterest, Instagram, Twitter, Atlantia's Wiki, etc. include a link
- Add it to your facebook profile
- Put it on your class handouts
- Put it on business cards available at your A&S displays
  - Consider a digital business card with an NFC and/or QR link
- Give it to your Peer or other SCA A&S friend



# Update your Website

- Make a habit of posting pictures of your latest projects, your class handouts, etc. as you create them!
- If you are using your site's blog, highlight your latest work, upcoming classes, etc.
- Consider mentioning your latest project being added to your site on your Facebook wall.

# Doing more with Wordpress

- <https://learn.wordpress.com/>
- Youtube tutorials
- Google for text walkthroughs
- 1000's of books

# SCA photo etiquette

Need releases from photographer and subjects to use on official webpages or newsletters

Photographer can complete a “blanket” release for SCA use

When in doubt, ask permission

# General Photo Guidelines

- **Take lots of shots** - “film” in the digital age is free, battery may be your limiting factor
- Start with full auto mode
- Many cell phone cameras are sufficient
- Larger lens cameras are more flexible
- The best camera is the one you have with you

# SLR vs Cell Phone

Same lighting,  
Same black background



Canon 50D SLR



Google Pixel XL Cell Phone

# Take lots of Pictures!!!

- Remember digital film is free, but have spare batteries
- If you use 10% of your shots, you're doing great!



# Before taking Pictures: Look at your surroundings:



Watch your backgrounds - cars, portajohns, coolers, soda cans, signs etc. can distract. (Be aware of these things before you begin photographing your items and you will not need to remove them later.)



# Planning your Pictures: What story are you telling?

Illustrating an object?

Describing a technique?

Documenting a process?

Recording an event?

Or do you just want to do it all?



# Planning your Pictures:

## What pictures do you need?

Single shot of finished item?

Close ups of portions of item?

Shots of each stage of a process or technique?

Is a carefully composed studio picture or a “candid” field picture better?



# Item Detailed Shot

- Include a shot of the full item to give context.
- Then include a close-in shot of the detail that you want to highlight.



# Single item shots

- Studio photo or a staged grouping of items. What tells your story the way you want it heard.



# Backdrops



# Visual Interest

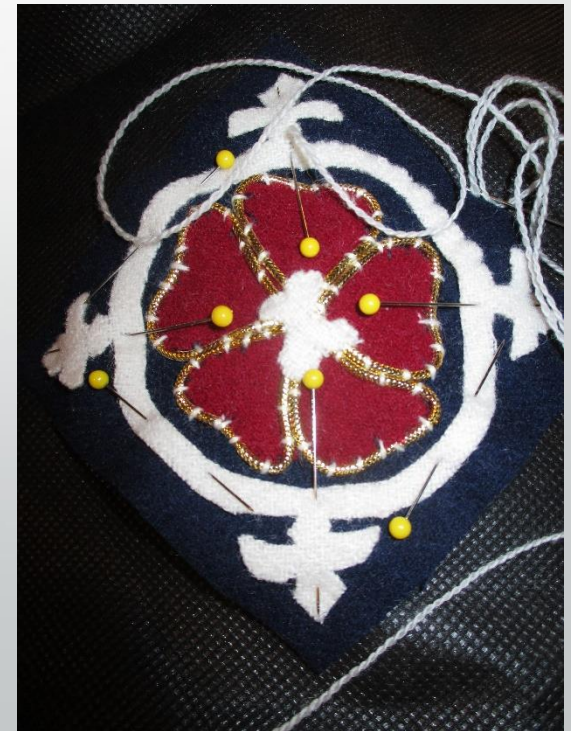


# Angles



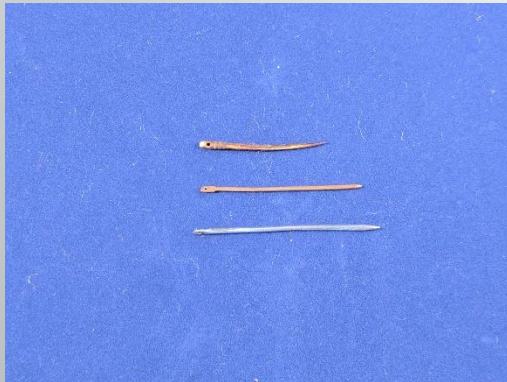
# Horizontal or Vertical

- Take both, especially if you are taking pictures that you do not know when you are going to use them. Otherwise you will want what you do not have for your page layout.
- You can rotate or crop a picture, but they can look odd.



# Planning your Pictures: Composing your pictures

Is scale clear? - if necessary include  
a ruler or coin to illustrate size



# Positioning your Work



# Shooting Clothing

- The best picture of your garb will be a picture taken of you wearing it.
- If the item no longer fits you, and wearing it is not an option, find an appropriate person to model it or use a dress form.



# Please Iron your Clothing

- If you are taking the time to make a web page of your work make sure it looks the best that it can.
- That means removing wrinkles, pet hair, lint, etc.
- Again control what the viewer can see by watching your background.



# “How to” Pictures

- If possible, think about how you want to write the article or web post before you begin shooting pictures.
- If possible, have somebody else take these pictures of you doing the work.
  - You know how to hold your hands and what to focus on. Plus you cannot be in two places at once.
  - You may have to repeat these pictures, if you did not explain to the photographer exactly what you wanted.
- Again take lots of pictures, especially if you are doing something that you will not be repeating. You can always skip using a picture.

# Pictures needed to show Process

- How to dye



These were not shot at the same time;  
Do as I say, not as I do.

# Home Photo Studios

- To photograph a single item it is helpful to have a small studio. This way you can control what the viewer sees. You can make a small studio or purchase one.
- We did both and I like the purchased one, because it stores almost flat.



Photo tents: Start at \$14 on Amazon. Watch Sizes!  
Similar model: <https://amzn.to/3wRpkhw>

# Homemade Light Tent



- Select cardboard box of appropriate size.
- Remove top, cut away most of 3 sides
- Tape 2 layers of cheap interfacing over sides
- Make backdrop with uncreased, gradual curve of posterboard.



Light and Shoot

# Cropping



Original picture



Cropped picture

Reduce resolution (and thus file size) for web use - loads faster and fits the page better

# Clean up Background Noise



# More Cleaning of your Background

- Crop the photographer out of the shot before posting



# Laying out your Website

Watch how you direct the viewers' eyes



# Laying out your Website



Watch how you direct the viewers' eyes

# Adding Pictures to your Website

Add text to describe what the picture is and to focus attention on your intended detail

Make it clear if part of the picture is other people's work

## Longsword Postas

Fiore's longswordostas describe sword positions. These poses are generally shown during a fight and can be executed with a wide variety of foot positions and weight. One particular pose is shown when the posta is described, but alternative poses are frequently used during plays that use the posta. Think of the postas as zones rather than poses to be meticulously duplicated.

One way to drill your understanding of the postas is to use our [Longsword Posta cards](#). The illustrations are from the [Getty museum's copy](#) of Fiore's book.

## Tutta Porta di Ferro/Full Iron Gate



## Tapestry



It is going to take me some time to get this section organized. I just wanted to get pictures up as I get occasional emails on this project. I seem to be stuck on the issue of embroidery. It is not busy enough and I cannot get the side panels on the tapestry to look right. Once I get past that hurdle, I have to figure out how to stabilize the tapestry project and a spot to hang it in my home. No point in putting my SCA story on a wall and putting it in a trunk.

## Building the Machine

### A Machine in Five Marks: Being a brief history of the development of Llwyd's Machine



Llwyd and his Mk I and Mk V versions of the Machine

# SCA photo etiquette

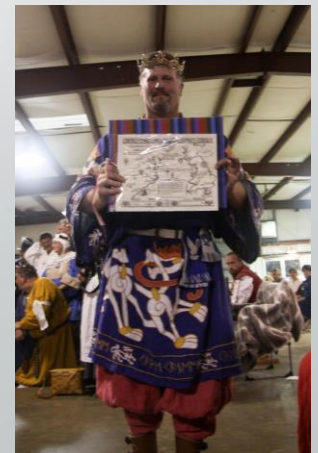
Do not distract from court or other ceremonies

No flash

Stay put - moving around distracts

Stand out of view of people watching the event - off to the side or on the floor down front

If I show up in event pictures with a camera on my face - one of us was probably in a bad spot.



# Learn from our Mistakes



Look at your pictures as  
you shoot in case you have  
bumped into a weird setting



This black and red tent  
looked fine to our eyes but  
confused the camera



We could see court, but  
the camera could not.

# Reshoot if you have to



Washed out, showing lots of lint



Center in focus,  
front and back blurry

# Questions?

- Slides available to download at BaronLlwyd.org
- Recorded video of older version of this class available at <https://www.youtube.com/@lloydeldred>
- Advanced topic content on Photo Exposure Theory and editing software included in backup slides



# Basic Photo Exposure Theory

Advanced Topic

# Not for Beginners

- This section is for cameras that are \$150 or more
- More expensive models will have more controls
- Cell phones generally do not have the controls mentioned

# Shutter Speed



- How long is the camera absorbing the light for your picture?
- Longer shutter time needed for low light (e.g. evening court)
- Short shutter time appropriate for bright light
- Affects blur
- Use a tripod if longer than  $\frac{1}{50}$ th of a second to avoid blur from hand shake
- Use “sports mode” or manual shutter speed setting to capture high speed movement

# Aperture/"f-stop"



How much light the lens is letting into the camera

Affects depth-of-field

"Portrait mode" creates low depth of field to emphasize the subject and blur the background

Low f-stop (e.g.  $f/3.5$ ) = open aperture = brighter picture = low depth of field

High f-stop (e.g.  $f/18$ ) = small aperture = darker picture = high depth of field

Available apertures vary with the camera and lens. More flexibility is more expensive.

# Depth of Field Example

- Foreground is in focus, background is not. Very low f-stop used (f/2.2) on my SLR



# ISO

“Film speed”

Controls graininess/noise of picture

High ISO (e.g. 1600) = bright picture, more noise

Low ISO (e.g. 100) = dark picture, less noise

Use High ISO in low light to allow no-flash pictures

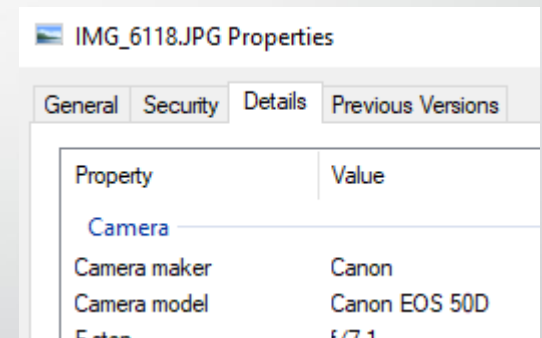
Use Low ISO in bright light to reduce noise

# Slow Shutter Speed Example



F-stop	f/5.6
Exposure time	1/30 sec.
ISO speed	ISO-1600

All of these settings are stored in the picture file itself. They are called the "EXIF" data and can be viewed by selecting image properties in Windows.



Picture from evening court is blurry due to movement and slow shutter speed (1/30sec). It is also a little noisy due to high ISO (1600) setting. The fairly low aperture (f/5.6) produces low depth of field - people behind the subject are out of focus - which is ok.

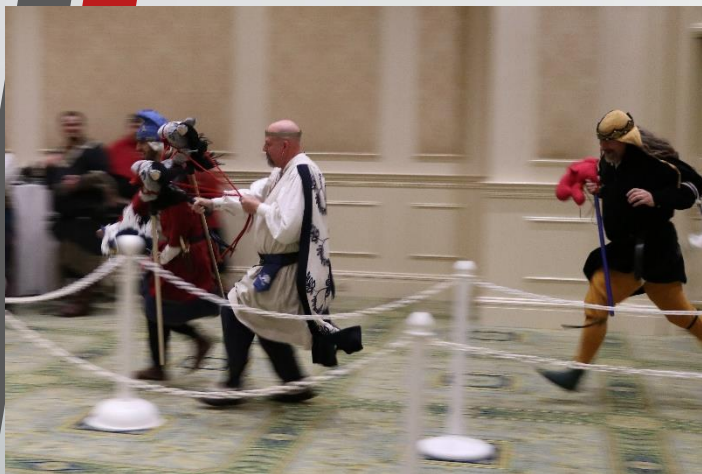
# High Shutter Speed Example



Camera maker	Canon
Camera model	Canon EOS 50D
F-stop	f/7.1
Exposure time	1/200 sec.
ISO speed	ISO-100

The high shutter speed (1/200 sec) stops the high speed fight with no blurring. The low ISO (100) is used for full daylight and results in no noise. The medium aperture (f/7.1) gives good depth of field with the observer in focus and the distant truck being a little blurry.

# Challenging Movement in Low Light



Camera maker	Canon
Camera model	Canon EOS 80D
F-stop	f/4
Exposure time	1/50 sec.
ISO speed	ISO-2000

High speed movement in challenging indoor light conditions require high ISO (1000 or 2000), low apertures (f/3.5 or f/4) and relatively slow shutter speeds (1/40 or 1/50 sec). Panning the camera to follow the action can sometimes produce good shots, but does not help when subjects are moving toward you.



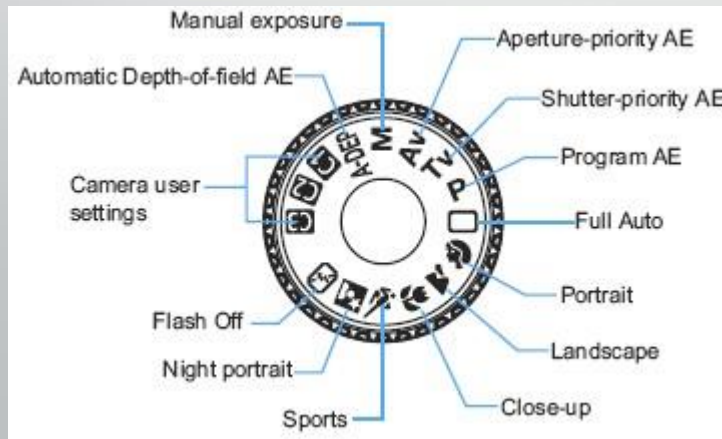
Camera maker	Canon
Camera model	Canon EOS 80D
F-stop	f/3.5
Exposure time	1/40 sec.
ISO speed	ISO-1000

Lesson: shoot lots of pictures and only post the ones that work out.

# Combining the Settings

- Full Auto shots will set all 3 variables to a good combination
- Camera assisted shots (Aperture or Shutter priority) will allow you to set one variable manually and automatically set the other 2.
- Alternate modes (Sports, Portrait, Landscape, etc.) will bias the variables to produce a different automatic result.
- Full manual - you set all three.

Canon  
dial



Nikon dial

# Other Photo Editing Programs

GNU Image Manipulation Program (GIMP) [www.gimp.org](http://www.gimp.org) - FREE!

Adobe tools are expensive

- Photoshop (\$120+/yr) - overkill for this application
  - Quick selection tool great for cutting out from background
- Lightroom (\$150)- great for editing lots of pictures quickly
- Photoshop Elements (\$70) - relatively inexpensive
- Adobe has discounted student/teacher editions - need a student/teacher ID (middle/high school or college) or report card



Other options include Corel PaintShop Pro (\$28), Affinity Photo (\$50).

Also possible to edit pictures in Powerpoint or Publisher.

The Windows Snipping Tool can also be very useful.