**After Effects Tutorial 1**

**Setup**

1. New -> New Project
2. New Composition -> My Comp, HDTV 1080 29.97, Frame Rate 30, Duration 03:00:00
3. Window -> Workspace -> Default
4. Edit -> Preferences -> General (Mac : After Effects -> Preferences -> General) Check Center Anchor Point in New Shape Layer Checked and Default Spatial Interpolation to Linear Checked
   1. Spatial Interpolation : Defined in space and not time
   2. Linear Refers to straight lines
5. Check the box Default Spatial Interpolation to Linear (If you don’t Bezier paths will be created with curves instead of straight lines)
6. Preferences -> Display -> Motion Path -> Check All Keyframes

**Interface**

1. If you click >> in your Workspace bar it displays the different workspaces available
2. Window displays all the tool panels available
3. You can move or resize panels by dragging them
4. Hand Tool (H) : Allows you to move things around
5. You can long click a tool to see many options
6. When you change tools the toolbar displays options specific to that tool
7. Project Panel : All imported files
8. Composition Panel : Displays your work and allows you to interact directly with it
9. Timeline : Layers on the left, Move the play head to cycle through your video
10. You can manipulate the keyframes in the timeline
11. The Spacebar plays your video
12. You can enter time codes to jump to specific parts in your video (300 = 3 seconds)
13. You can move panels around

**Import Video**

1. In Project Panel -> Import File, Multiple Files (Uncheck Create Composition) (CTRL+I, or Command+i) After Effects Tut 1.mp4
2. Click on videos to see their resolution, FPS, length, file type (H.264 = MP4) and audio information
3. All videos should have the same stats
4. Create a composition by Right click video -> New Comp from Selection
5. You can create an empty composition by clicking Create a new Composition icon in bottom of the Project Panel
6. Composition Settings : HDTV 1080 29.97, Frame Rate : 30, Duration 17:20
7. Preset sets the video format
   1. NTSC is for TV
   2. HDTV is what is commonly used for the internet 720, 1080, also UHD 4K
   3. You can change the Aspect Ratio if creating for Instagram
   4. Set framerate to whatever your videos use
   5. For Duration 100 = 1 Second, 10000 = 1 minute
   6. You can change your background color
8. You can right click a composition to change its settings

**Keyboard Shortcuts**

1. After Effects -> Keyboard Shortcuts (Mac) or Edit -> Keyboard Shortcuts (Windows)
2. The shortcuts change depending on your current panel
3. Click Shift to see shortcuts associated with the Shift key
4. Create a Shortcut : Select Shift + Ctrl or Command -> Click B -> Select shortcut to assign on the left -> Click to the right of File -> Close Project and click Shift + Ctrl / Command + B

**Animating Logo**

1. Right Click Project Panel -> Import -> After Effects Logo.ai -> Footage, Merged Layers
2. Drag logo onto composition and resize (Make sequence 4:00f long)
   1. Go to 1:00f -> Click stopwatch to create keyframe (Position & Opacity) -> At 0f set position just off the composition & Opacity to 0%
   2. Go to 4:00f create keyframe for Opacity 0% and at 3:00f set opacity to 100%
3. Per-Character Animation : With type tool type After Effects CC 2020 (Myriad Pro Bold 97 px)
   1. Next to Text click Animate -> Position
   2. Drag position down (Without adding keyframes) at 0f
   3. Set keyframe at 0f with Start at 0% -> Go to 2:00f and set Start to 100%
   4. Click Add : Rotation -> 0x+90
   5. Add Scale and increase to 300%
   6. Add Opacity 0%
   7. Add Blur 25%
   8. Set Transform Opacity to 0% at 4:00f and at 100% at 3:00f

**Editing Illustrator Files for After Effects**

1. Open Illustrator file from freepik.com tiny-people-testing-quality-assurance-software
2. Delete what you don’t want in the animation in layer panel
3. Drag guides to create 1920x1080p Artboard
4. Resize illustration in this artboard
5. Select all computer parts -> Click hamburger -> Collect in New Layer
6. For all the groups also -> Collect in New Layer
7. Drag them into proper position
8. Save as ai file
9. Import in AE -> Composition, Layer Size
10. Select Layers and drag to the timeline
11. Rename layers and drag them in order
12. Move play head to 5:00f -> Click P to show Position
13. Go back to 4:00f -> Drag everything off the screen

**Create Pre-Composition**

1. Pre-compositions can be used in other compositions
2. Right click Computer ai file in Project Panel -> New Comp from Selection
3. Ctrl / Command + R -> Drag on rulers
4. Click Region of Interest -> Draw a box to define the size you want your animation to fit in
5. Composition in Menu -> Crop Comp to Region of Interest -> Delete Device Graphic used to define region of interest
6. Type in text box
7. Put 11:04 in time code -> N to end Sequence
8. P to show position -> Key frame at 0f and at end position to show last line of text
9. Drag composition in timeline at 7:12 before Computer -> Position

**Rotate Cogs**

1. Select cogs -> R for Rotate -> Create key frame at 7:12 -> Go to end and set rotation to 1x+0 for both

**Export MP4**

1. Composition -> Add to Adobe Media Encoder Queue (Adobe Media Encoder required)
2. Preset Browser -> Social Media -> YouTube 1080p Full HD or Click dropdown in Queue Panel -> Click the Start Queue button (Play Icon in upper right)