

# Multimedia

**Adding video and audio materials**

# Objectives

- **Describe HTML5 audio and video elements**
- **Explain the purpose of plugins**
- **Reflect on Accessibility issues**

# HTML5 Multimedia

- **Designed to avoid the use of extra software to play music/video**
- **Not fully implemented**

## Video element `<video>`

- Video tag uses a `src` attribute or embedded `<source>`
- Common attributes
  - `height`, `width`
  - `autoplay`
  - `loop`
  - `controls`
- Text inside `<video>..</video>` is displayed if browser can not support tag

## Audio element <audio>

- **Audio tag uses a src attribute to link to audio file, typically .mp3 or .wav**
- **Common attributes**
  - **autoplay, controls, loop**
  - **buffered**
  - **muted**
  - **volume**

## Setting clips

- You can set both the video and audio elements to play clips by adding to the src attribute.
  - `.ext#t=5, 25`
  - `.ext#t=, 39`
  - `.ext#t=, 1:38:45`
  - `.ext#t=42`

## Plugins

- **Before HTML5 there was no standard for video display, plugins were required**
- **Since not all browsers support new tag some may require Flash**

## Accessibility Issues

- **Make sure to provide links to plugins**
- **Include text descriptions and closed captioning (or other equivalent content)**
- **Multimedia should enhance your content, not be a distraction**



# Acknowledgements/Contributions

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