Agenda 11/3

- **Expanding Chrome Extension to…**
  - **…manipulate images in a Webpage**
  - **…add p5.js graphics on top of a Webpage**

Our first Chrome Extension

1. Using Sublime Text create the following files
    *   manifest.json
    *   content.js
2. Save them in the same folder

```json
{
  "manifest_version": 2,
  "name": "My Extension",
  "version": "0.1",
  "content_scripts": [
    {
        "matches": [
        "<all_urls>"
      ],
       "js": ["content.js"]
    }
  ]
}
```

manifest.json

```javascript
var elts = document.getElementsByTagName('p');
for (var i = 0; i < elts.length; i++) {
  elts[i].style['background-color'] = '#F0C';
}
```

content.js
This is the code to modify the HTML pages

Our first Chrome Extension

3. Go to "chrome://extensions/" in your Chrome Browser
4. Turn on Developer Mode
5. Click on 'Load Unpacked' and navigate to your folder
6. Now all <p> tags should be pink!!!

Try changing colors, text weight of other tags!

Other text alterations

document.body.innerHTML = document.body.innerHTML.replace(/Michigan/g, "Mars");

Will change all occurrence of 'Michigan' to 'Mars'

Finding & using tags in a Webpage

Types of HTML Tags: https://www.w3schools.com/TAGS/default.ASP

var pageImages = document.getElementsByTagName('img');

This lines goes in content.js