

# Demonstration Checklist

Name: \_\_\_\_\_

Demonstration Title/Description: \_\_\_\_\_

## Preparing

- Check for original idea
- Read Authoring Guidelines
- Permission
- Create Authoring Account

## Core Work

- Manipulate at highest level (no nested Manipulates)
- Initialization
  - Section with SaveDefinitions->True
  - and/or Option within Manipulate
  - and/or Using None controls
- If 3D concept, use 3D rendering, not 2D.
- No Input Fields
- Localized Variables (Module or None controls)
- Box does not move or jiggle
- No Errors. Check extreme values of controls (especially zeros).

## Formatting

- "Test Image Size" – Use the Tool in the template to check entire Manipulate box – This is important!
- No formatting of the code text itself
- Graphs/Axes labeled appropriately, with units if needed
- Everything Lower Case (unless a proper noun)
- Controls properly labeled
  - Descriptive (not just variable name)
  - Lower Case
  - Plain styling
  - Controls "Labeled" where appropriate

## Complete Template

- Title (specific, direct, descriptive, and using appropriate capitalization)
- Manipulate must be EVALUATED (output must be there) – **Do NOT touch controls!** It will change initialization.
- Caption – Must be in own words (Write without looking at resources; books and browsers closed)
- "Demonstration" is capitalized if used within caption or details.
- Thumbnail – Delete cell then copy/paste cell from Manipulate output and adjust controls to desired settings.
- Snapshots
  - At least three, like thumbnail with entire Manipulate output, each in SEPARATE cells.
  - Captions for snapshots, if necessary or interesting, included in Details section
- Details
  - **Include:** This was a project for Advanced Topics in Mathematics II, 2018-2019, Torrey Pines High School, San Diego, CA.
  - References go here
  - Other details are optional, but refer to Authoring Guidelines
- Control Suggestions (optional)
- Search Terms
  - Include whatever you think someone may search to see your Demonstration
  - Include synonyms if appropriate
  - Use lower case, unless proper noun or a specific (highlighted or unusual) *Mathematica* function
  - Each term in a separate cell
- Related Links
  - Optional, but consider MathWorld or related Demonstrations
  - Actual links, not just the address in text
  - Only Wolfram sites (others, if necessary, in Details section)
- Authoring Information
  - Use your name as you would want it published professionally
  - See description for additional authors, etc.

**Notebook Author:** Sign below confirming that you checked and completed each item on the list.

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**Peer Review:** Sign below confirming that you reviewed the items on this list with the author and you believe the template is complete.

## Finalizing

- Test size of entire Manipulate box again
- Re-read Authoring Guidelines (especially "Final Checks")
- Spell Check
- Check that Thumbnail and Snapshots are independent (using localized variables)
- Click "Update Thumbnail and Snapshots" button and check results
- Save file and close *Mathematica* then open template with fresh kernel and check everything (Note: 20 MB limit)

## Upload & Submission

- Upload under Authoring Area but **DO NOT SUBMIT FOR PUBLICATION!**
- Send Ms. Brown the link to the preview page and show her this completed checklist.
- I know to submit only AFTER approval from Ms. Brown and I will let Ms. Brown know when it is published.