**Arizona Standards Alignment**

| **Content Area** | **Standard Code** | **Description** |
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| **English Language Arts** | **ELA.6.RI.1** | **Cite textual evidence to support analysis of informational texts.** |
|  | **ELA.6.SL.4** | **Present claims and findings clearly.** |
|  | **ELA.6.W.2** | **Write informative/explanatory texts.** |
| **Mathematics** | **MA.6.SP.4** | **Display numerical data in plots on a number line, including dot plots and histograms.** |
| **Science** | **SC.6.LS1.8** | **Gather, analyze, and communicate information about organisms.** |
|  | **SC.6.ETS1.1** | **Define criteria and constraints of a design problem.** |
| **Visual Arts** | **VA:Cr2.1.6a** | **Experiment with visual elements to communicate meaning.** |
| **Technology** | **ISTE 4.c** | **Collect data or identify relevant data sets to answer questions.** |
|  | **ISTE 6.a** | **Select appropriate platforms and tools to visualize data.** |

**Lesson 4: Structuring Visual Data — Page Layout and Design**

**Objective**

Students organize visual data using grids, timelines, or other layout tools to improve clarity.

**Materials**

* Journals
* Rulers, coloring tools

**Step-by-Step Instructions**

1. **Introduction (I Do):**
   * Demonstrate use of grids and timelines to arrange visual data.
   * Discuss importance of clear organization and labeling.
2. **Guided Practice (We Do):**
   * As a class, design a sample journal page using collected class data arranged neatly in grids or timelines.
3. **Independent Practice (You Do):**
   * Students plan and complete a personal journal page using a grid or timeline layout to organize their data visuals.
   * Label all elements clearly.

**Differentiation**

* Provide grid/timeline templates and step-by-step guides for students who need support.
* Use bilingual instructions and graphic organizers for ELLs.
* Encourage advanced students to integrate multiple data types or creative layouts.
* Allow kinesthetic learners to use physical grid tools.

**Reflection Prompt**

* *Why is organizing your data important? How does the layout affect how someone understands your information?*

**Assessments**

* **Formative:**
  + Review students’ draft layouts and offer guidance on organization and labeling.
  + Facilitate peer feedback sessions focused on clarity of data presentation.
* **Summative:**
  + Grade completed journal pages for effective use of structure, clarity, and visual appeal.