**Lesson Plan: Creating a Layered Bookmark Using Inkscape and Brother Scan N Cut**

**Objective:**

Students will learn to brainstorm, design, and create a layered bookmark using Inkscape and Brother Scan N Cut. They will understand how to integrate background, midground and foreground. They will understand the process of digital design and file preparation for cutting machines.

**What’s Needed:**

Software

* Inkscape (Program)
* Brother Canvas Workspace (Program)
* Bookmark Template (File)
* Evaluation Sheet (File)
* Instructions to add shapes to Bookmark Frame (File)

Hardware

* Brother Scan N Cut machine
* USB drives for file transfer

Materials

* Cardstock (for the Scan N Cut)
* Glue sticks
* Evaluation sheets (printed set for the class)

**Lesson 1: Introduction to Project and Brainstorming**

**Duration:** 45 minutes

1. **Introduction (10 minutes):**
   * Introduce the project: creating a layered bookmark.
   * Explain the use of Inkscape for design and Brother Scan N Cut for cutting.
2. **Brainstorming (15 minutes):**
   * Distribute paper and pencils.
   * Students brainstorm and sketch ideas for their bookmarks, considering themes, images, and colours for background, midground, and foreground.
3. **Group Discussion (10 minutes):**
   * Students share their ideas and get feedback from peers and the teacher.
4. **Introduction to Inkscape (10 minutes):**
   * Basic overview of Inkscape interface and tools.

**Lesson 2: Designing in Inkscape (Part 1)**

**Duration:** 45 minutes

1. **Recap and Goals (5 minutes):**
   * Recap Lesson 1 and outline today's goal: Using Inkscape software
2. **Template Setup (10 minutes):**
   * Open the bookmark template in Inkscape.
   * Demonstrate how to use the template for design.
3. **Designing Bookmarks on Software (25 minutes):**
   * Students begin working on their templates.
   * Teacher provides guidance and troubleshooting.
4. **Saving Work (5 minutes):**
   * Save the file as an Inkscape SVG (.svg).
   * Explain the importance of file organization and naming.

**Lesson 3: Designing in Inkscape (Part 2)**

**Duration:** 45 minutes

1. **Recap and Goals (5 minutes):**
   * Recap as needed and outline today's goal: completing our Bookmark designs
2. **Designing Bookmarks on Software (35 minutes):**
   * Students continue working on their templates.
   * Teacher provides guidance and troubleshooting.
3. **Saving Work (5 minutes):**
   * Remind students to save their work

**Lesson 4: Complete and Evaluate**

**Duration:** 45 minutes

1. **Introduction to Brother Canvas Workspace (15 minutes):**
   * Demonstrate how to open Inkscape files in Brother Canvas Workspace
   * Demonstrate how to align their designs and save their file to the correct file type for the Brother Scan N Cut (FCM file format)
   * Demonstrate how to transfer the design to the machine to cut
2. **Finish and Cut (15 minutes):**
   * Students prepare their files to cut and assemble when they are done
   * Some may wish to colour in and decorate further
3. **Individual Evaluation (15 minutes):**
   * Hand out evaluation sheets
   * Students complete the evaluation sheets, reflecting on their design process, challenges, and learning outcomes.