

ACTIVITY B

Dream Island with Printerform

Objective: Encourage students to explore printing different patterns and designs using Printerform with adjustment, as well as experimenting with different forms.

Materials/tools: Printer(s), sheets of paper, glue / stapler, (optional) scissor, color crayon / pencil / marker

ACTIVITY

Step 1 - Introduction

Explain what Printerform does and how it works. Do a quick demonstration of the printing process and talk about consideration in choosing different shapes. Explain what each adjustment does. Create your dream island with Printerform!

Step 2 - Find STL files

Supply students with various STL files of houses, animals, etc. Encourage students to create their own STL files or explore existing ones. Suggested tool: TinkerCad

Step 3 - PrinterForm process

Lead students through the entire Printerform process: uploading, choosing a shape, and experimenting with positioning, rotating, angling, and adjusting each STL file, then downloading,

Step 4 - Print

After students have downloaded all of their files, print.

Step 5 - Assemble

Fold the paper and use glue / stapler to assemble into shape. Color with crayon / pencil. Arrange into Dream Island!



Summary

Wrap up the activity by quickly going through the process of Printerform and the significance of each form. Encourage students to reflect on their choices and how it led to the assembly of their project.