

Title: "Surf Soup® STEAM Upcycle Projects

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Get ready to invent create, and explore w

Get ready to invent, create, and explore with Surf Soup® STEAM Upcycle Projects! Students learn to build mini instruments from recycled materials, tapping into engineering skills and fine motor development. Fraction Surfboards introduce playful math as kids color and label parts of their surfboard, linking numbers to art. Folding and decorating 3D pop-up characters enhances spatial reasoning and step-by-step thinking, while a reflection prompt encourages them to celebrate their inventions and favorite moments. Each section is visually engaging with icons and ample space for creativity, making STEM and STEAM concepts approachable and exciting.

Section 1 - Upcycled Instrument (Top Left)

Instructions: "Build a cardboard ukulele or drum using recycled materials."

Materials: Cardboard, rubber bands, tape, markers

Learning Outcomes: Engineering skills, fine motor

development, creative problem-solving

Space for student drawing/notes

Icon: small cardboard instrument

Section 2 - Fraction Surfboards

Instructions: "Color and label fractions on your surfboard template."

Learning Outcomes: Visual math understanding, fraction application

Space for coloring/cutting the surfboard

Icon: fraction symbols

Section 3 - Pop-Up Characters

Surf Soup® © 2026 | Created by Donna Kay Lau

Instructions: "Fold and decorate 3D characters inspired by Surf Soup®." Draw the characters and cut out Learning Outcomes: Spatial reasoning, following step-by-step instructions

Space for student sketch/design

Icon: folded paper character

Section 4 - Reflection Prompt

Prompt: "What did I invent today? Which activity was my favorite?"

"Encourage reuse and creativity every day!"
Outschool Statement:

Donna Kay Lau, creator of the Surf Soup® series, teaches live online classes on Outschool! Students can explore Surf Soup® stories, animation, STEAM projects, and creative activities directly with Donna. Enroll in her classes to bring these exciting learning experiences to life: https://outschool.com/teachers/Donna-Kay-Lau-Surf Soup?signup=true&usid=yIjQidTH