



Surf Soup® Activity Page

Title: **Surf Soup® Wave Science Lab**

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Dive into the science of the sea with Surf Soup® Wave Science Lab! Kids create

waves in water trays, record

observations on motion and frequency,

and experiment with changing wave speed, exploring

motion, energy, and scientific reasoning. A reflection prompt

allows students to summarize what they learned about

waves. With fun illustrations and structured space, this

activity makes hands-on STEM learning playful, memorable, and ocean-inspired.

1 – Wave Experiment

Create waves in a water tray Learning Outcomes: Motion, energy, hands-on STEM

Section 2 – Observation Chart

Record height, frequency, motion Learning Outcomes: Data collection, analysis Section

3 – Hypothesis Prompt

“What happens if I change the wave speed?”

Learning Outcomes: Scientific reasoning

Section 4 – Reflection Prompt

“What did I learn about waves today?”

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://](https://outschool.com/teachers/Donna-Kay-Lau-Surf-Soup?signup=true&usid=yIjQidTH)

[outschool.com/teachers/Donna-Kay-Lau-Surf Soup?](https://outschool.com/teachers/Donna-Kay-Lau-Surf-Soup?signup=true&usid=yIjQidTH)

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