JUDO BOTS

These little hydraulic machines may be made from popsicle sticks, dowels, and wooden blocks, but they pack a big punch.

GOALS

Make it Fun!

We chose Judo Bots as the activity to allow the kids to have fun challenging each other and give them the flexibility to be creative and stay engaged.

Time to Listen

We posed STEM questions during activities to prompt critical thinking and ended with documentary-style interviews for reflection.

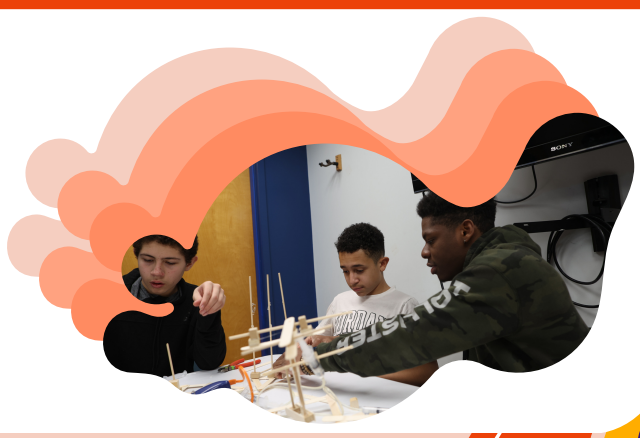
Culture

We chose judo bots for the fun hands-on learning, played music, and offered decoration options to increase engagement and comfort with the activity.

EDUCATIONAL DESIGN PRINCIPLES

UNIVERSAL DESIGN LEARNING

Make design accessible to the widest possible set of potential users.



DESIGN JUSTICE

Design that explicitly challenges, rather than reproduce, structural inequalities.

GROWTH MINDSET

Intelligence and abilities can be developed and improved through dedication and hard work.

Ask us about Design Principles!

JUDO BOTS TIPS & TRICKS

Want to bring the fun to your classroom? Check out theses handy tips!

COMMON MISTAKES

Glued a dowel to a wooden block? Explicitly point out these mistakes to avoid early pitfalls.

ITERATE

Encourage students to test out designs and let them know it is ok to rip things apart and start from scratch.

ACCESSIBILITY

Make sure that each student is easily accessible to the teacher. This helps to ensure that no student is overlooked

OTHER USES

Judo bots don’t have to just fight one another! To incorporate more interests, they can make judo bots kick a ball or play catch!

STEM QUESTIONS

Asking questions gets the students thinking. This helps them learn key concepts even if we’re not teaching them in a traditional way.