

Yeet the Yo! – Standards Alignment

Yeet the Yo! is an interactive, educational performance that aligns with multiple national and state learning standards in the areas of science, engineering, arts, and social-emotional development.

This 45-minute show engages students in hands-on learning experiences through storytelling, yo-yo demonstrations, and exploration of core physics concepts, meeting State and Core Standards.

Next Generation Science Standards (NGSS):

- 3-PS2-1: Plan and conduct an investigation to provide evidence of the effects of balanced and unbalanced forces on the motion of an object.
- 3-PS2-2: Make observations and/or measurements of an object's motion to provide evidence that a pattern can be used to predict future motion.
- 4-PS3-1: Use evidence to construct an explanation relating the speed of an object to the energy of that object.
- MS-PS2-2: Plan an investigation to provide evidence that the change in an object's motion depends on the sum of the forces on the object and the mass of the object.

Common Core State Standards (CCSS):

- CCSS.ELA-LITERACY.SL.3.1: Engage effectively in a range of collaborative discussions.
- CCSS.ELA-LITERACY.SL.4.4: Report on a topic or text, tell a story, or recount an experience in an organized manner.
- CCSS.ELA-LITERACY.W.4.2: Write informative/explanatory texts to examine a topic and convey ideas and information clearly.

Social Emotional Learning (CASEL Framework):

- Self-awareness: Understanding personal strengths through skill-building with yo-yos.
- Self-management: Practicing focus, perseverance, and emotional regulation during challenging tricks.
- Relationship skills: Positive audience participation and peer collaboration during interactive segments.
- Responsible decision-making: Trying new things and reflecting on outcomes as part of the JOY framework.

To customize an experience aligned to your curriculum goals, please contact Jenifer at hello@YoYoMagic.fun.

For Full Breakdown using selected Next Generation Science Standards (NGSS) performance expectations and Oregon Transformative SEL Standards / SEL-framework alignment, see Grades 3-5 listed below:

Yeet the Yo! - A 45-minute performance + optional workshop blending science, yo-yo physics, storytelling, growth mindset/SEL, and hands-on exploration.

How “Yeet the Yo!” Supports 3rd Graders:

- Students observe yo-yo motion, discuss what makes it spin or stop.
- Students identify patterns of motion and predict what happens next.
- Through storytelling and hands-on yoyo time, students practice inquiry
- SEL: While learning tricks, students build confidence, reflect on effort, and experience success/failure in a safe, joyful space.

Science (NGSS):

- 3-PS2-1: Plan and conduct an investigation to provide evidence of the effects of balanced and unbalanced forces on the motion of an object.
- 3-PS2-2: Make observations and/or measurements of an object’s motion to provide evidence that a pattern can be used to predict future motion.
- 3-PS2-3: Ask questions to determine cause and effect relationships of electric or magnetic interactions between two objects not in contact with each other.

SEL:

- Self-Awareness: Recognize strengths as learners and risk-takers.
- Self-Management: Persist through challenge, practice movement/skill, reflect on improvements.
- Social Awareness / Relationship Skills: Engage as learner and teacher
- Responsible Decision-Making: try, adjust technique, reflect on outcomes, ask questions.

How “Yeet the Yo!” Supports 4th Graders:

- Through advanced yo-yo tricks (modern styles), students examine how design (rim weight, bearing systems) affects performance—an engineering perspective.
- Workshop time: students try modifications, experiment with variables (string length, spin time), practising engineering/design process.
- SEL: emphasis on “JOY = Joy takes effort, Openness to new experiences, You have unique value.” Students internalize that effort + mindset = progress.

Science (NGSS):

- Understanding energy transfer and motion in real-world systems.
- Engineering thinking when students explore how to do different tricks.

SEL:

- Self-Awareness: Reflect on effort/technique while learning tricks (growth mindset).
- Self-Management: Manage attention, practice coordination, adapt when trick fails.
- Relationship Skills: Participate in front of others, encourage peers, learning/sharing.
- Responsible Decision-Making: Analyze what worked, what didn’t, adjust strategy.

How “Yeet the Yo!” Supports 5th Graders:

- During the show and workshop, students engage with the deeper physics of yo-yo motion (gravity, tension, angular momentum) and reflect on how those forces shape performance.
- Workshop phase: students apply design thinking—modify yo-yo setup, test spin, analyze results, refine approach.
- SEL: With more autonomy, students reflect on their own progress, mentor peers, build resilience from trying new tricks, and celebrate growth.

Science (NGSS):

- 5-PS2-1: Support an argument that the gravitational force exerted by Earth on objects is directed down.
- Motion and Stability: Forces and Interactions in a broader sense.

SEL:

- Self-Awareness: Recognize how skills developed over time (from simpler tricks to more complex) reflect personal growth.
- Self-Management: Set goals, monitor progress, cope with setbacks, refine technique.
- Social Awareness & Relationship Skills: Mentor or encourage others, lead by example.
- Responsible Decision-Making: Choose safe technique, reflect on peer collaboration, design strategy for best result (e.g., workshop partner decisions).