

Introduction to Making Activity: Furniture for Stuffed Animals

Grade Level: 4 - 5	Book (optional): What Do You Do with an Idea? by Kobi Yamada
Lesson Objective: Students will design and build cardboard furniture for stuffed animals.	
Topic/Theme: <ul style="list-style-type: none">• Introduction to Making• Using makerspace materials and tools• Designing solutions for others	4th / 5th Grade NGSS Connections: 3-5-ETS1-1. Define a simple design problem reflecting a need or a want that includes specified criteria for success and constraints on materials, time, or cost.
Materials: <ul style="list-style-type: none">-cardboard pieces (avoid assembled boxes)-hot glue guns and glue sticks-tape-makerspace items (to allow for creative choices)-various stuffed animals (can be brought from home - not too large)	Pre-Lessons Suggested (If any) <ul style="list-style-type: none">• Makerspace Habits of Mind (perseverance, creativity, collaboration, etc.)• Engineering Design Process: (ask, imagine, plan, create, improve, etc.)• Engineer: <i>a person who designs and builds things.</i>
Steps: <ol style="list-style-type: none">1) Optional: Read What Do You Do with an Idea? by Kobi Yamada with whole class.2) Show students a stuffed animal (not too large / ex. less than 12" tall).3) Students brainstorm furniture ideas in table groups.4) Students sketch individual designs for different stuffed animals.5) Students use materials to build furniture for stuffed animals.6) Share out (whole class, small group, gallery walk style, etc.).7) Students reflect on the process. Ex. prompts<ol style="list-style-type: none">a) Did your final piece of furniture look like your original design?b) What challenges did you face and overcome?c) What successes did you have?d) What process would you use to build a chair for someone with a disability or other special needs?	