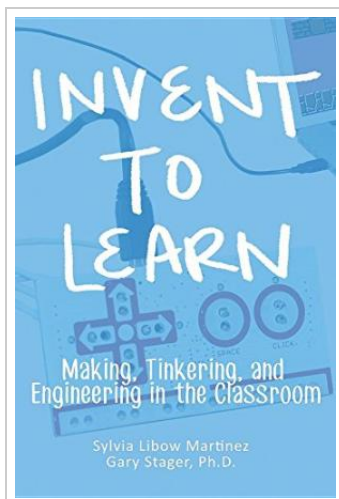




Invent to Learn: Making, Tinkering, and Engineering in the Classroom (Hardback)

By Sylvia Libow Martinez, Gary S Stager

Constructing Modern Knowledge Press, 2016. Hardback. Condition: New. Language: English . Brand New Book ***** Print on Demand *****.Join the maker movement! There s a technological and creative revolution underway. Amazing new tools, materials and skills turn us all into makers. Using technology to make, repair or customize the things we need brings engineering, design and computer science to the masses. Fortunately for educators, this maker movement overlaps with the natural inclinations of children and the power of learning by doing . The active learner is at the center of the learning process, amplifying the best traditions of progressive education. This book helps educators bring the exciting opportunities of the maker movement to every classroom. Children are natural tinkerers Their seminal learning experiences come through direct experience with materials. Digital fabrication, such as 3D printing and physical computing, including Arduino, MaKey MaKey, and Raspberry Pi, expands a child s toy and toolboxes with new ways to make things and new things to make. For the first time ever, childhood inventions may be printed, programmed or imbued with interactivity. Recycled materials can be brought back to life. While school traditionally separates art and science, theory and practice, such divisions are artificial. The...



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Reviews

Extremely helpful for all class of people. It is probably the most incredible ebook i actually have go through. I discovered this publication from my dad and i recommended this ebook to discover.

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This publication can be really worth a go through, and superior to other. It is amongst the most amazing publication we have go through. You wont feel monotony at anytime of your own time (that's what catalogues are for about when you request me).

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