



## Invent to Learn: Making, Tinkering, and Engineering in the Classroom

By Sylvia Libow Martinez

Constructing Modern Knowledge Press, United States, 2013. Paperback. Book Condition: New. 259 x 175 mm. 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...



**READ ONLINE**  
[ 4.38 MB ]

### Reviews

*This is actually the finest ebook we have go through until now. It is writter in straightforward words and phrases instead of difficult to understand. Its been designed in an remarkably straightforward way and is particularly just following i finished reading through this book by which basically changed me, change the way in my opinion.*

-- **Gillian Wisoky**

*Comprehensive information for book fanatics. it had been writtern really completely and useful. I am happy to explain how this is the greatest publication i have read through in my very own life and can be he finest pdf for ever.*

-- **Virginie Collier I**