

## RhinoFabStudio: Creating Skateboards and Toolboxes

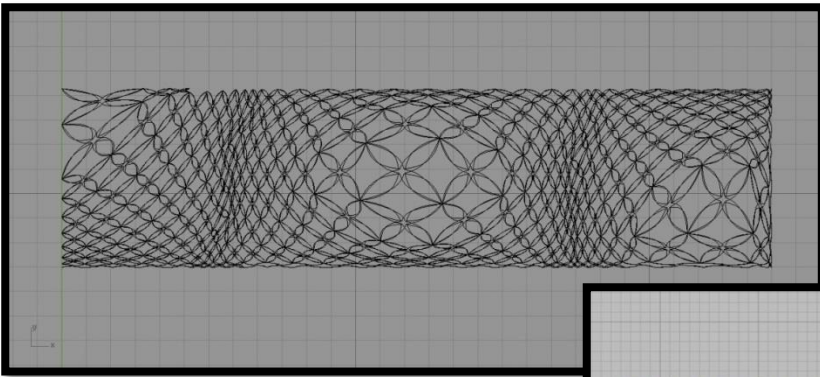
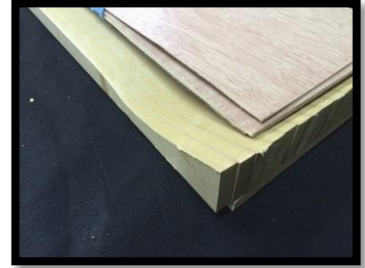
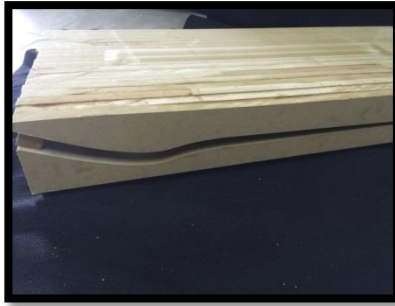
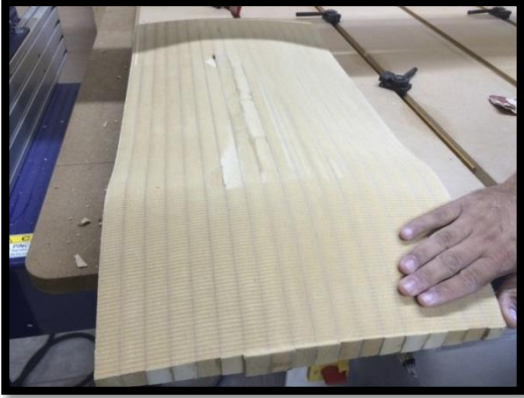
### Project 1: Skateboards

Three young students got a professional taste of designing and manufacturing by creating their own skateboards in a RhinoFabStudio course at McNeel Corporation in Miami Florida. The students were directly supervised by Andres Gonzalez of McNeel Miami who is in charge of the Digital Fabrication minor. During the sessions of this course, these three students designed their own skateboards, modeled them on the Rhinoceros 3D CAD system, CNC programmed them using MecSoft's RhinoCAM, and machined and assembled them to completion. The full event resulted in real-time knowledge and hands-on experience in the design/manufacturing process, some fun and hard work, and finally their own professional quality skateboard that they could take home, ride, and brag about.

[Watch the video](#) rendition of the Studio activities for creating these skateboards.

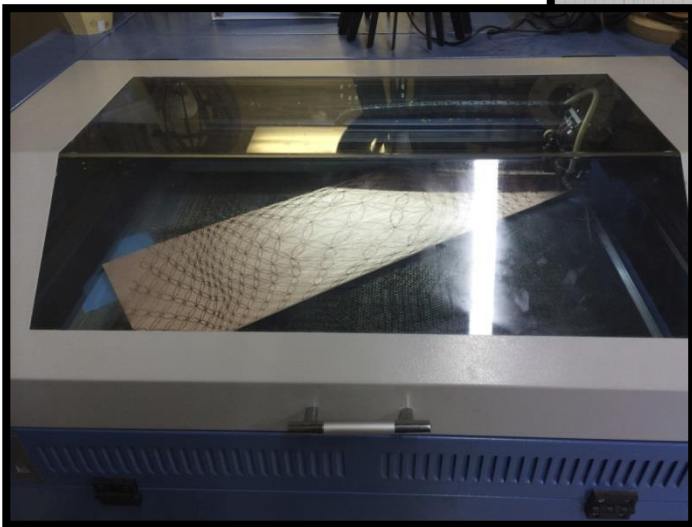
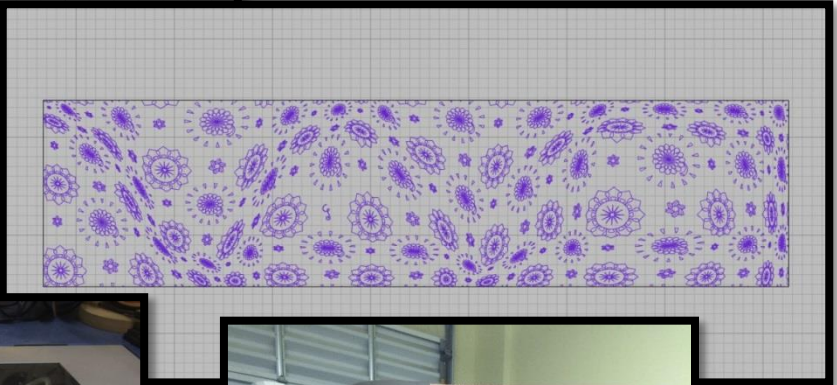


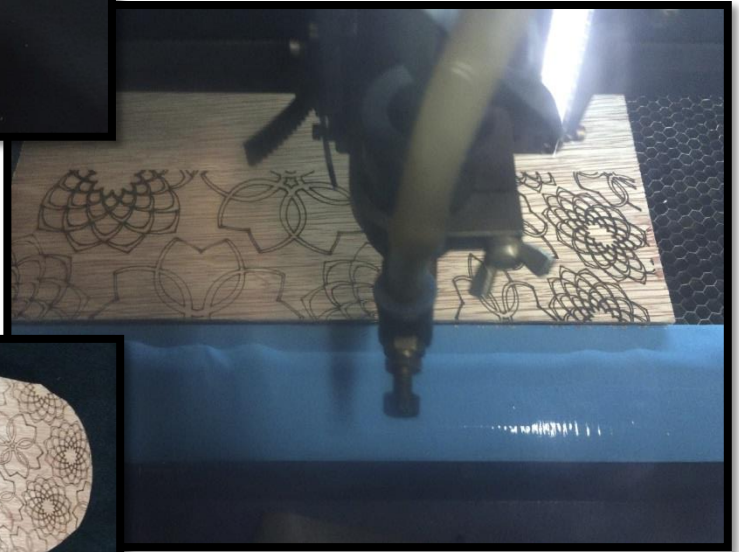
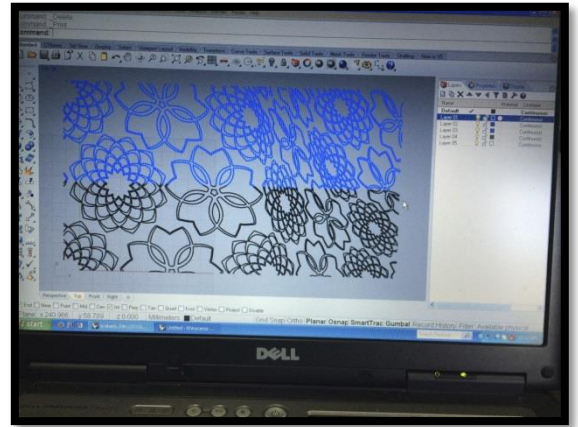
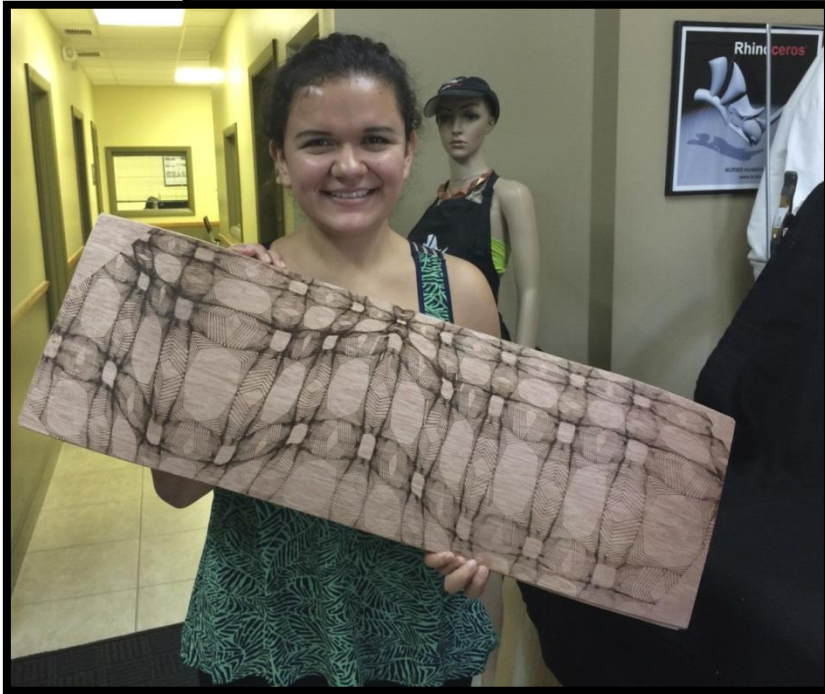
Shown here are the machined forms that will shape the curvature of the skateboards.



Decorative patterns are designed in Rhino and then laser cut into the wooden panel that becomes the underside of the skateboard.

Very nice addition!







The students show their approval of the finished boards.

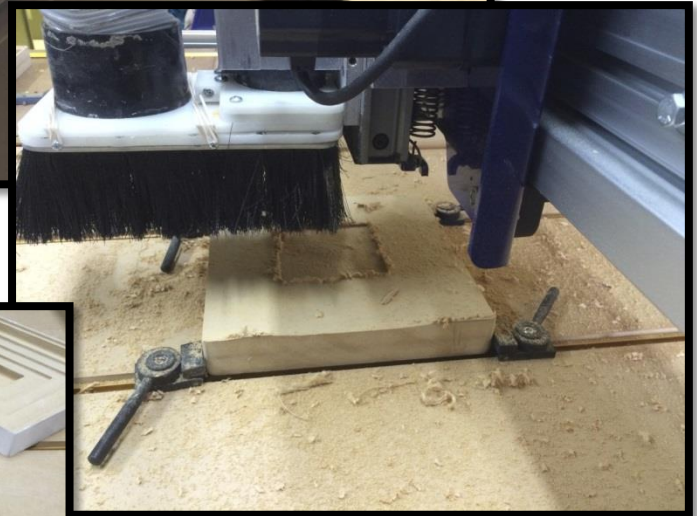
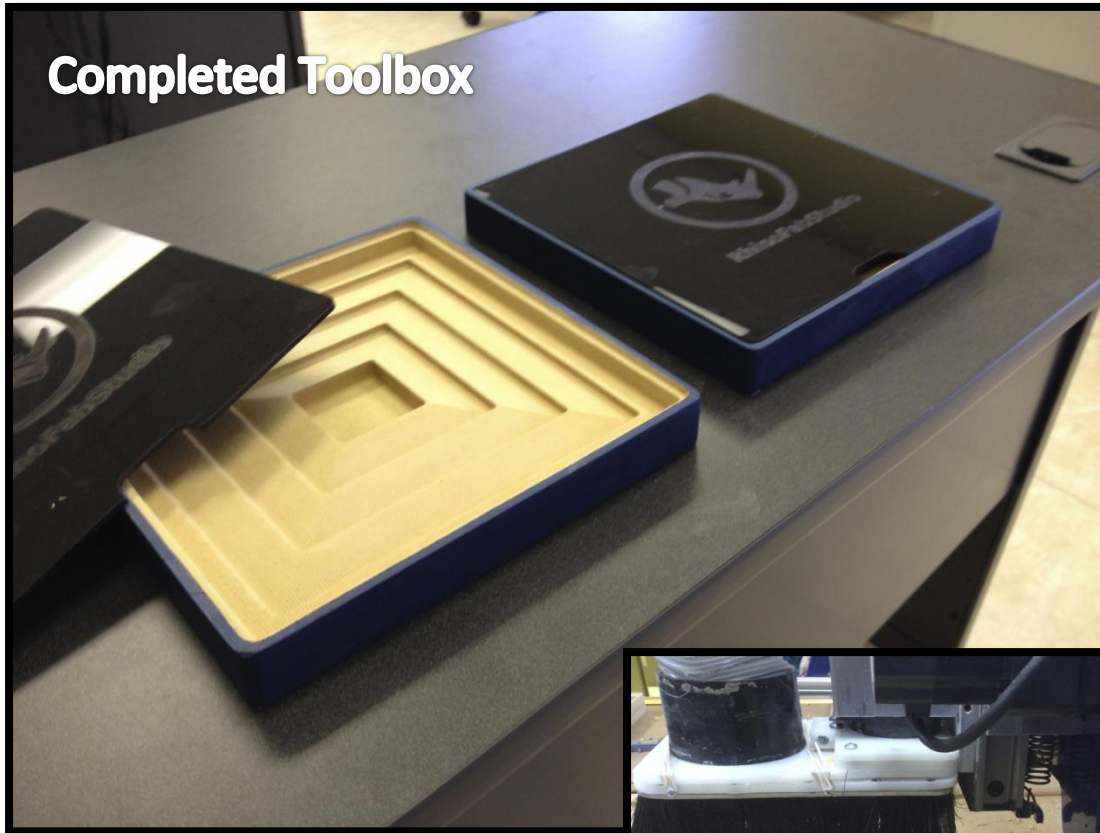
Add the trucks, wheels and the skateboards are ready to run.

Very nice! You made that?



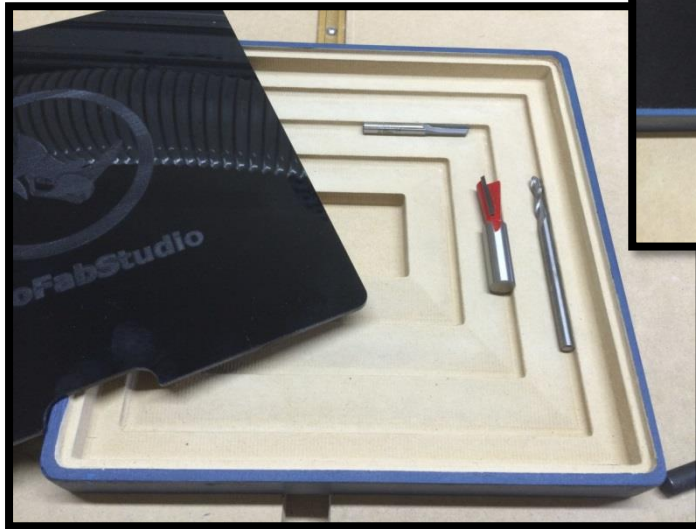
## Project 2: Tool Boxes

These same three students then created a tool box for cutters by using the principles of design and manufacturing. Their creation process was caught on [video](#) and a few highlight shots of their work are shown in the following pictures.





Nice job...nice results! Congratulations!



More about [Rhino Fab Studio](#)

Rhino Fab Studio is a great way to learn and experience professional endeavors in many industrial applications. Visit their [website](#) to see what else they have to offer.

Thank You from MecSoft

[MecSoft](#) expresses thanks to Andres and Jackie for the pictures and guidelines to these interesting student experiences.