

MFG322671

Pick Your Own Adventure - Inventor

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Learning Objectives

- Choose and execute the most efficient and future-proof modeling practices.
- Choose the most useful processes for assembly design in Inventor
- Choose the most beneficial methods for collaboration during and after a design.
Choose a workflow in Inventor that goes beyond modeling to other advanced environments like Inventor CAM & Nesting

Description

In this interactive class, the audience will steer the workflow to direct the instructors in completing Inventor designs. At different points in the design process you will be able to vote on different design steps, driving the design process yourself. At the end of each section we'll step back to the decisions you made and cover the pros and cons of each choice in Inventor. Some of your choices may lead to success, others may lead to failure of your entire product line! Through this story you'll gain confidence in building your own designs and driving your design workflows the best way possible.

Speaker(s)

Dave Laphorne:

I'm an Implementation Consultant with D3 Technologies, an Autodesk Platinum Partner and Authorized Training Center, I am based at the Springfield Missouri office. Primarily focused on Inventor workflows I also specialize in the CAM tools, drawing on 15+ years of industry experience ranging from machine design, sheet metal design, CNC programming, and Project Management. Additionally, I have spent several years working hands on with manual and CNC machine tools including waterjet, plasma, milling, turning, plus shear and brake forming operations. This is my second year presenting at Autodesk University as a part of the team with D3 Technologies.

Ryan Johnson:

I'm a Senior Implementation Consultant for D3 Technologies, an Autodesk Platinum Partner. I'm a silver Autodesk Certified Instructor and am professionally certified in Fusion 360, 3DS Max, and Inventor. I specialize in Autodesk software training and consulting for a variety of customers across the US.

Due to the highly interactive nature of this class we wanted to outline our goals and expectations for the class time. This handout will not be going deeply into the content that we are covering as we want to maintain some excitement and surprise during the class time itself.

We will be using live polling throughout the class. There will be a link provided during the PowerPoint presentation at the beginning which will enable you to participate in the polls using your cell phone's web browser. In the event that you are not able to access the website from your device, there will also be the option to text in your choices.

For this class to be successful, audience participation is CRITICAL. We ask that everyone participate in each of the polls so we can move through the design storyboard that we have developed. Copies of the storyboards will be made available to all attendees via the AU Mobile App and website after the completion of the class.

Each section of the class will begin with a poll which will be displayed on the screen. After everyone has had an opportunity to review the poll options and submit their vote we will take the option with the most votes and either discuss why that wasn't the best option or we will switch into Inventor and run through that stage of the design as chosen by the class. Some of the polls do not have a wrong answer, some of the options have dead-ends or surprises that get sprung on us after making those choices.

We will be looking at several different options that may be encountered in day-to-day design processes. These are intended to be generic examples of challenges and we are aiming to provide you with more of an all-encompassing understanding of how those design choices may impact later stages in the design.

The main area of focus will be on the part modeling and assembly environments. There will be shorter sections where we will look at options of collaboration and advanced environments such as CAM, Nesting, or Cable & Harness.

Thanks for choosing our class and we look forward to meeting you at AU2019 in Las Vegas!