

# INVENTOR ADVANCED ASSEMBLY MODELLING TRAINING



2 Day Autodesk Accredited Training Course  
Onsite | Classroom | Remote



## Objectives

This course builds on the skills acquired in the Inventor Essentials training & is designed to take delegates to a higher level of productivity, creating & working with assemblies utilising Inventor.

## Audience

Delegates must have taken the Inventor Essentials training first, and understand engineering design & drafting.

## Agenda

- Apply motion to existing assembly constraints using Motion & Transitional constraints.
- Intro of the top-down design technique for creating assemblies & components
- Inventor tools for top-down design including associative links, adaptive parts, multi-body design, layout design derived components & skeleton models.
- Create positional representations of an assembly to review motion, evaluate the position of assembly components or document an assembly in a drawing.
- Create level of detail representations.
- Link system parameter & custom parameters to external spreadsheet & use it to drive parameters in the model.
- Use the design accelerator to easily insert standard & customizable components & features in the model.
- Create rendered realistic images & animations of parts & assemblies using Inventor Studio & the Video Producer.
- Use iMates, iAssemblies to work efficiently with assemblies.
- Use the frame generator to create members in a structural framework.
- Use pattern, mirror & copy techniques to duplicate components in an assembly
- Work with weldments.
- Understand custom formatting and creating expression within the parameter.
- Large scale model simplification techniques.



# CADSPEC

STANFORD MARSH GROUP

## Locations

Derby  
Worcester  
Pencoed  
Remote

## Info

All food, equipment, software & amenities are provided. Please let a staff member know of any food allergies prior to the course.

## Contact

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T: 01905 458000  
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## Training

Multiple delivery options.  
Bespoke Training available.  
All training is Autodesk Accredited.