



Designed for the independent learner, learners spread over a wide geographic area, or school boards interested in standard training for all their teachers, this interactive web-based training course includes explanations, demonstrations, simulations, exercises, and tests.

Using Tabs+ 3.0 Modeling and Making

Course Introduction

Topic 1 – Capabilities, Uses, and 3D Modeling Basics

Topic Introduction

Capabilities

Module Introduction

Overview

3D shapes

Physical Models

Module Posttest

Module Conclusion

Uses

Module Introduction

Mathematics and Physics

Art

Design

Module Posttest

Module Conclusion

3D Modeling

Module Introduction

3D Modeling Terms

Sketching 3D shapes

Model Orientation

Exercise – Zoom, Rotate, and Pan a Shape

Module Posttest

Module Conclusion

Topic Conclusion

Topic 2 – Tabs+ Interface and Tools

Topic Introduction

Interface

Module Introduction

Menus

Windows

Buttons

Module Posttest

Module Conclusion

Tools

- Module Introduction
- Standard Shapes
- Quick Shapes
- Exercise – Create Quick Shapes
- Quick Text
- Exercise – Create Quick Text
- Editing Shapes
- Module Posttest
- Module Conclusion
- Topic Conclusion

Topic 3 – Windows and Menus

- Topic Introduction
- Edit Window
 - Module Introduction
 - 2D Views
 - Edit Menu Options
 - Handles
 - Edit Status Bar
 - Exercise – Manipulate a Shape
 - Module Posttest
 - Module Conclusion
- 3DView Window
 - Module Introduction
 - 3D Views
 - 3DView Menu Options
 - Exercise – Manipulate a Model in the 3DView Window
 - 3DView Status Bar
 - Module Posttest
 - Module Conclusion
- Wireframe Window
 - Module Introduction
 - Wireframe Types
 - 3rd Angle Projection Menu Options
 - 3D Wireframe Menu Options
 - Scale and Zoom
 - Exercise – Manipulate a Model in the Wireframe Window
 - Module Posttest
 - Module Conclusion
- Nets Window
 - Module Introduction
 - Nets Overview
 - Place and Move a Net
 - Customizing Nets
 - Exercise – Place and Customize a Net
 - Nets Menu Options
 - Module Posttest

Module Conclusion
Topic Conclusion

Project 1 – Create a House

Topic Introduction
Walls and Roof
Module Introduction
Create a Cuboid
Create a Wedge
Edit and Manipulate a Cuboid and Wedge
Exercise – Create Walls and a Roof
Module Conclusion
Chimney
Module Introduction
Create a Cylinder
Create a Funnel
Create a Cone
Edit and Manipulate the Chimney Shapes
Exercise – Create a Chimney
Module Conclusion
House Nets
Module Introduction
Place the Nets
Edit the and Print the Nets
Exercise – Place, Edit, and Print House Nets
Module Conclusion
Topic Conclusion

Project 2 – Create a Tower

Topic Introduction
Walls and Buttresses
Module Introduction
Create a Sweep
Create and Flip an Extrude
Edit and Manipulate Sweep and Extrude
Exercise – Create Walls and Buttresses
Module Conclusion
Observation Deck and Antenna Base
Module Introduction
Create a Sphere
Create a Funnel
Edit the Sphere and Funnel
Exercise – Create an Observation Deck and Antenna Base
Module Conclusion
Tower Nets
Module Introduction
Place the Nets

Edit and Print the Nets
Exercise – Place, Edit, and Print Tower Nets
Module Conclusion

Course Posttest
Course Conclusion

This web-based training course includes:

- Over 320 screens of information
- 27 demonstrations
- 14 simulations
- 13 exercises
- 55 test questions

Requirements for this web-based training course:

- A computer with Tabs+ 3.0 Modeling and Making (Macintosh or Windows) installed.
- Ability to use a mouse.
- Ability to navigate hard drive folders.
- 800 x 600 screen resolution
- Flash 6 player
- One of the following browsers:

Macintosh browsers
<ul style="list-style-type: none">• Camino 0.7 and greater• Mozilla 1.3.1 and greater• Netscape 4.0 and greater• Omniweb 4.1 and greater• Safari 1.0 and greater
Windows browsers
<ul style="list-style-type: none">• Internet Explorer 5.1 and greater• Mozilla 1.5 and greater• Mozilla Firebird 0.7 and greater• Netscape 6.0 and greater