

VERSION

PAGE

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v 002 1 of 4

PRIMARY DEVELOPER: Reggie Fluker - Henry Ford College

Digital Literacy III: The Internet & Beyond

Unit 3 Computer Aided Design

STUDY GUIDE

UNIT OUTLINE

Complete this Unit and you will be able to perform the following skills in SketchUp Make

- Navigate the interface and access toolbars
- Create and edit 2D and 3D digital objects •
- Draw models to scale and display dimension lines ٠
- Orbit, pan, and zoom-in or out of the drawing stage •
- Incorporate models from the 3D Warehouse

DOWNLOAD SKETCHUP MAKE

- 1. Visit http://www.sketchup.com/download
- 2. At the top-right side of the page, choose "Personal Projects" from the product selection box
- 3. Complete the entries in Step 2, then click "Download SketchUp Make"
- 4. Save the file to your computer, open the installer, and follow the instructions to install SketchUp

LEARNING OBJECTS

Study the learning objects outlined below; each learning object is a video tutorial. Watch the videos and perform the skills that you learn about by following along with the steps on your computer.

CREATING 3-DIMENSIONAL MODELS

For steps 1-5, refer to the two diagrams on the next page

- 1. Launch SketchUp and click "Choose Template" (top-right corner)
- 2. Select "Simple Template Feet and Inches"
- 3. Click "Start using SketchUp"
- 4. Click the "View" menu, then click "Toolbars"
- 5. Check "Large Tool Set", uncheck "Getting Started", then click "Close"
- 6. Watch "Getting Started" video tutorials (parts 1-4) at http://www.sketchup.com/learn/videos/58
- 7. If you need additional help in learning how to use a specific tool, watch the relevant video in the Toolbar Series at http://www.sketchup.com/learn/videos/60
- 8. Watch "How Do I Draw a Sphere" at https://www.youtube.com/watch?v=DWv7JP16Uul
- 9. Complete lab 1

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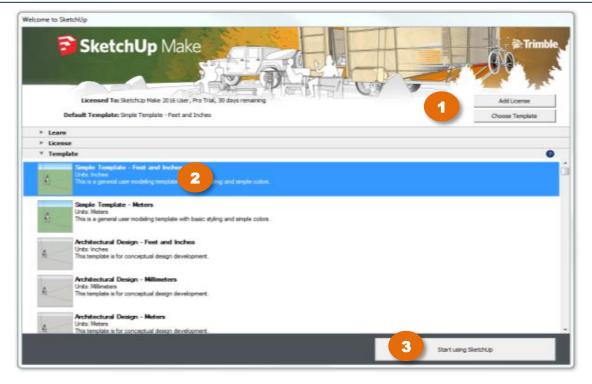


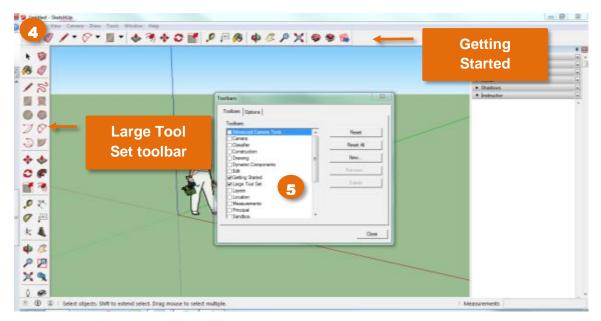
Multi-State Advanced Manufacturing	RELEASE DATE	12/26/2015
Consortium	VERSION	v 002
SPONSORED TAACCCT GRANT: TC23767	PAGE	2 of 4
PRIMARY DEVELOPER: Reggie Fluker – Her	nry Ford College	

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20151226_v002_msamc_tafd_117.3.3_study_guide.pdf found in <u>Resources</u> by the M-SAMC Multi-State Advanced Manufacturing Consortium <u>www.msamc.org</u> is licensed under a <u>Creative Commons Attribution 4.0 International License</u>.





VERSION

PAGE

US DOL SPONSORED TAACCCT GRANT: TC23767

v 002 3 of 4

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UNIT EXAM

- 1. In preparation for the Exam, critically-think about each topic in the Unit Outline:
 - a. Are you confident in your knowledge about each item?
 - b. Challenge yourself to summarize key points, concepts, or skills about each topic
 - c. Could you perform all lab procedures without using references?
- 2. Review the list of Additional Resources; study topics as needed
- 3. Take the Unit Exam (Closed Book)

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ADDITIONAL RESOURCES

The following learning objects are optional, but may give further clarification on a topic if needed

- 1. SketchUp YouTube Channel https://www.youtube.com/user/SketchUpVideo
- 2. Getting Started Guide http://help.sketchup.com/en/article/3000081
- 3. Help Center http://help.sketchup.com/en





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RELEASE DATE 12/26/2015

VERSION PAGE

v 002 4 of 4

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Digital Literacy III: The Internet & Beyond Unit 3 Computer Aided Design STUDY GUIDE

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