OEDK Scavenger Hunt

Answers to the following questions may be found on the OEDK website or within the OEDK building.

Q.1) What does the OEDK stand for?

A. Open to Everybody for Design Knowledge
B. Oshman Engineering Design Kitchen
C. Open Engineering Development Kitchen
D. Oakridge Engineering Design Kitchen

Q.2) What do you need to do to reserve a work table in the OEDK?

A. Ask the lab technician
B. Fill out a paper work table request form
C. Fill out the team profile form on the OEDK website, login with created user email and password, and then fill out the online work table request form.
D. Grab an available table and claim it as your team’s table for the remainder of the semester

Q.3) How do you get a cabinet and a lock?

A. Choose any cabinet and provide your own lock
B. Provide your own cabinet and lock
C. Check out a cabinet and lock from the OEDK staff
D. Use any available cabinet; no lock necessary

Q.4) What is the third item that needs to be filled out on the OEDK Room Reservation Form?

A. Position/Affiliation
B. Email
C. Phone Number
D. Event/Class Title
Q.5) In which rooms/areas are food and drinks allowed?

A. ALL rooms/areas in the OEDK
B. All rooms/areas, except the Computer Lab, Machine Shop and Wet Lab
C. Conference Rooms only
D. Student Lounge only

Q.6) What design team are you on?

Q.7) What minimum information will you need to order your part?

A. Stock number, part number or SKU
B. Quantity and Cost per item
C. Funding source
D. All of the above

Q.8) Tax exempt forms/status must be used for all design project supply purchases where sales tax is applied.

A. True
B. False

Q.9) On the OEDK website, under what tab do you find information on getting reimbursed?

A. Home
B. Students
C. Projects
D. Resources
Q.10) You can get reimbursed for taxes paid on purchases.
   A. True
   B. False

Q.11) Describe the ordering process for YOUR team. (Hint, you must know which department manages your teams funds.)

Q.12) What file format do you need to make a part on the 3D printer?
   A. Adobe Illustrator (.ai)
   B. Stereolithography (.stl)
   C. SolidWorks (.sldrpt)

Q.13) What is the room number for the 3D printer room?
   A. 110
   B. 111
   C. 112
   D. 114

Q.14) What name brand and model do we have for the Reflow Oven?
   A. LPKF ProtoMat PCB Plotter
   B. Torch T200C
   C. MITS PCB Prototyping Machine
   D. AS-5060

Q.15) What is the maximum dial reading on the solder paste dispenser?
   A. 1000 psi
   B. 100 psi
   C. 10 psi
Q.16) Which of the following is a file extension needed to use a laser cutter?

A. Adobe Illustrator (.ai)
B. Stereolithography (.stl)
C. SolidWorks (.sldrpt)

Q.17) What do you need to do before you can use the SEA laser cutter?

A. Be trained by an authorized trainer
B. Set up an account with Shared Equipment Authority
C. Provide the fund and org assigned to you project
D. All of the above

Q.18) Where can you find the tape in the OEDK?

A. Gray pull out drawer marked “Tape”
B. In the gray cabinet along the South wall
C. On the Tool Table
D. In Carlos’ office

Q.19) Where is the wood glue found in the OEDK?

A. Machine Shop
B. Wet Lab
C. Large gray 2-door cabinet on east wall
D. At the hobby store

Q.20) What is in the drawer labeled “Rulers”? (Check all that apply.)

A. Tape
B. Compasses
C. Nefertiti
D. Scissors
E. Rulers
F. Protractors

Q.21) Where do you find nuts and bolts in the OEDK?
A. Machine Shop
B. Gray Cabinets along the east wall
C. Green Cabinets along the glass wall outside the Machine Shop
D. Supply Closet

Q.22) Does the OEDK stock metric fasteners? If no, where does the website suggest you get them?
A. Yes
B. No, but you can get them at Southland Hardware
C. No, but you can order them online

Q.23) How many first aid kits are in the OEDK?
A. 1
B. 2
C. 3
D. 4

Q.24) What number do you call in case of an emergency in the OEDK?
A. 713-348-8000 or x8000 from a campus phone
B. 713-348-1000 or x1000 from a campus phone
C. 713-348-6000 or x6000 from a campus phone

Q.25) Where can you find ear plugs?
A. In the first aid kits
B. At the tool tables
C. At the Safety Stations
D. In the Woodshop

Q.26) How many fire extinguishers are in the OEDK?
   A. 3
   B. 4
   C. 5
   D. 6

Q.27) Where is the AED located?
   A. Near the Classroom
   B. Near the Laser Cutter Room
   C. In the Student Lounge
   D. By the OEDK main entrance

Q.28) Identify which machine tool in the machine shop you would use to make cylindrical geometry?
   A. Bandsaw
   B. Engine Lathe
   C. Vertical Mill
   D. Surface Grinder

Q.29) How many drill presses are in the machine shop?
   A. 1
   B. 3
   C. 4
   D. 5
Q.30) Your prototype that you are making requires special use of the vertical milling machine. Who do you need to see in order to get help?

A. Amy Kavalewitz  
B. Carlos Amaro  
C. Joe Gesenhues  
D. Dr. Maria Oden

Q.31) The team has decided to build a large prototype that will require welding. Where’s the welding shop?

A. OEDK  
B. Ryon Lab  
C. Facilities, Engineering and Planning  
D. Mechanical Engineering Building

Q.32) What information do you need in order to print documents in the OEDK?

A. Team member’s NetID and Password  
B. Team’s printing ID and Password  
C. File loaded or generated on an OEDK computer  
D. All of the above

Q.33) What is the model of the large format poster plotter in the OEDK?

A. HP DesignJet 4000ps  
B. HP Color LaserJet 5550  
C. XEROX SCC3828  
D. HP Color LaserJet CM2322

Q.34) What are you, as a design team, allowed to print in the OEDK?

A. Anything Rice related  
B. Anything directly associated with the Design Team Project
C. Anything for a Rice student

D. Anything for anybody

Q. 35) How many paper printing devices are available to the students in the OEDK?

A. 1
B. 2
C. 3
D. 4

Q. 36) You need to get some National Instruments equipment that is available in the OEDK, how do you do that?

A. Grab it out of the supply closet
B. Decide what equipment you need and check it out through the OEDK staff
C. Ask the lab technician if you can borrow it
D. Contact NI and ask them to send it to you at the OEDK

Q. 37) Where is the Electronics Lab located in the OEDK?

A. Downstairs, next to Dr. Wettergreen’s office
B. Next to the Computer Lab
C. By the Woodshop
D. The OEDK does not have an Electronics Lab

Q. 38) How do you request to reserve a meeting room in the OEDK?

A. Ask one of the staff members
B. Let your faculty advisor know which room you need
C. Go to the OEDK homepage and select “Room Reservations”
D. Just walk into any vacant meeting room

Q. 39) What do you do in case of an accident or near miss?

A. Report the accident or mishap to an OEDK staff member
B. Fill out an accident report within 24 hours of the incident
C. Take care of it on your own
Q. 40) OEDK users get reimbursed for out-of-pocket purchases with petty cash from the OEDK.

A. True
B. False

Q. 41) Team travel reimbursement requires pre-approval.

A. True
B. False

Q. 42) What should you do with large trash that does not fit in the trash can?

A. Stack it on top of or next to the trash can
B. Place it by the back door
C. Put it on your neighbor’s table
D. Place it in the dumpsters out back

Q. 43) What should you do before asking to use the laser cutter?

A. The Happy Dance
B. Ask a technician if it is available
C. Nothing
D. Check the schedule online and submit an online request

Q. 44) BONUS: Find the OEDK award display cabinet. Is there anything out of the ordinary with the Trophy Cup?

Q. 45) BONUS: Find the hydraulic lift. What is the quote on the plaque beside it?