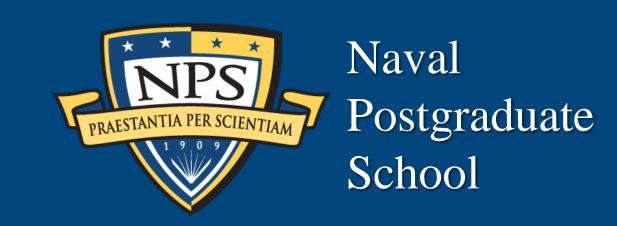
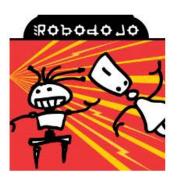
# X3D Model Exchange: 3D Printing Archives for Navy + Marine Makers



#### Who We Are

X3D Model Exchange shares models in formats compatible with 3D printers. Partner commands offer unique capabilities for Navy, Marine Makers to share, view and print 3D models. Supporting Fab Labs and training facilities helps new Makers learn how to apply this powerful technology.











**Fablabs** 

**Navy Makers** 

Marine Makers

Expeditionary

History Heritage

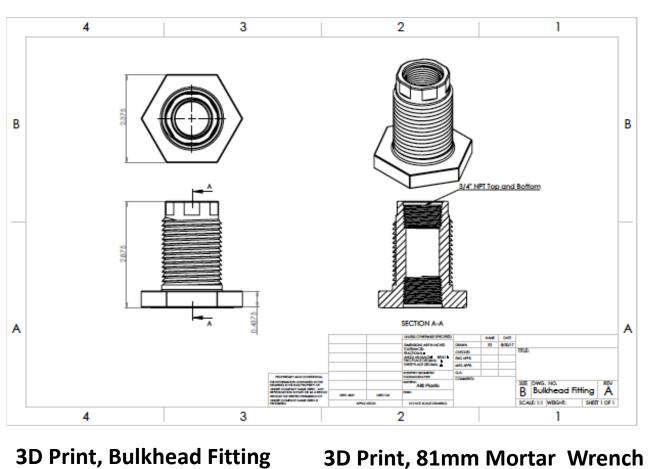


X3D Model Exchange Welcome Navy and Marine Makers!

https://ModelExchange.nps.edu



Naval Additive Manufacturing Tech Interchange (NAMTI) 2017, Quantico Virginia: NPS faculty and students with full 3D-printed prototype US Navy submersible.





**Create & Share** 





CREATE

SHARE

- Expeditionary Manufacturing capabilities enable Sailor and Marines to innovate, design and build what they need, when and where they need it.
- Search metadata, examples, and tool workflows help create of downloadable models relevant for today's fighting forces, optimized for 3D printing.
- Open Source licenses (such as Creative Commons) apply to permitted models. Products not allowed.
- CAC card identification required for submissions ensuring that all maker contributions are authentic.

# Discover and Engage





- Discover 3D models, view curated collections or find builds of 3D models from our community members.
- Are you interested in creating your own customizable models? The Model Exchange provides detailed guidance on how to design and 3D print accurate models.
- The 3D Model Exchange is a community-driven resource. Share your ideas with fellow Makers, learn 3D printing tips + tricks, discover new models, work together on group projects, and share ideas for everyone to improve.

# **Future Submarine Class Laydown Evaluations Topside clearances** Scanned Revolutionary War Shipwreck, Alexandria Virginia

### "Soft Launch" Summer 2018

- Model Exchange Partners are in "Developers Beta" testing, working to establish next wave of capability.
- Do you have 3D models? Sign up and join the first 100 Navy/Marine Makers who discover, share and print diverse 3D models in the X3D Model Exchange.
- Interoperable Navy **SPIDERS3D** Virtual Environment

## **Bootstrap Your Maker Models**



**Open Standards for** Real-Time 3D Communications < **X3D Graphics Interoperability** 



- Follow Us! <u>@MarineMakers</u> <u>@NavyMakers</u>
- Feedback: <u>makers@nps.edu</u>
- Developers: ModelExchange@movesInstitute.org

