

# Statewide IT Bridge

## Science References

- BBC News, Grace Hopper's compiler: Computing's hidden hero, <https://www.bbc.com/news/business-38677721>
- BlackBox, [www.blackbox.com](http://www.blackbox.com)
- "Computer Network Fundamentals Teacher Pack" from "GYIT: Get Youth Into IT" and the Erasmus + Program. <https://docplayer.net/DigitalLearn.org>, Public Library Association, <https://training.digitallearn.org/>
- Curriculum adapted from College of Lake County Pre-Bridge and Bridge to IT Curriculum, Grayslake, IL 2018.
- EdHelper, <http://www.edhelper.com>
- Erasmus+, Computer Network Fundamentals Teacher's Pack, <https://drive.google.com/file/d/1EW2kIVb6tSZFB5f4BevAvIBCWQswe-PO/view>
- GCF Learnfree.org "Introduction to Databases", <https://edu.gcfglobal.org/en/access/introduction-to-databases/1/>
- GCF Learnfree.org "Creating Your Own Database", <https://edu.gcfglobal.org/en/access2016/designing-your-own-database/1/>
- GCF Learnfree.org "Inside a Computer", <https://edu.gcfglobal.org/en/computerbasics/inside-a-computer/1/>
- GCF Global, Mouse Tutorial, <https://assessment.digitalliteracyassessment.org/basic-computer-skills-1>
- GCF Global, Hardware and Software 1, <https://edu.gcfglobal.org/en/computer-science/hardware-and-software/1/>
- GCF Global, Access 2016: Introduction to Databases 1, <https://edu.gcfglobal.org/en/access2016/introduction-to-databases/1/>
- "Lesson Plan: Introduction to Databases Lesson." Texascte.org, 2017. <https://www.txcte.org/resource/lesson-plan-introduction-databases-lesson>
- "Lesson Plan: Introduction to Firewalls." By Dr. Matthew L. Hale, Dr. Robin Gandhi, and Dr. Briana B. Morrison. Nebraska GenCyber, 2017-2019. Available under a Creative Commons Attribution-NonCommercial-ShareAlike License. [https://mlhale.github.io/nebraska-gencyber-modules/intro\\_to\\_firewalls/lesson-plan/](https://mlhale.github.io/nebraska-gencyber-modules/intro_to_firewalls/lesson-plan/)
- Microsoft Sway, Computer Network Fundamentals, <https://sway.cloud.microsoft/H1ifD5KUZdLWkhFz>
- NorthStar, Digital Literacy Assessment, Basic Computer Skills 1, <https://assessment.digitalliteracyassessment.org/basic-computer-skills-1>
- Patraeus, Firewall Basics, <http://www.petraeus.org/fw/Firewall%20basics%20L1.pdf>

- PBC Library, Mouserise, <https://assessment.digitalliteracyassessment.org/basic-computer-skills-1>
- Webopedia, <http://www.webopedia.com>
- YouTube, BBC, What is a firewall?  
<https://youtu.be/6UtiQwCX2wU?si=pxXN5mB9sO4cN1I6>
- YouTube, How Computers Work: Hardware and Software,  
<https://www.youtube.com/watch?v=xnyFYiK2rSY>
- YouTube, Types of Networks,  
<https://youtu.be/eVKjiHCUpZo?si=TkrO30QwY0KjdDxn>
- YouTube, Understanding Network Topologies,  
[https://www.youtube.com/watch?v=4ZaTa\\_JQM\\_E](https://www.youtube.com/watch?v=4ZaTa_JQM_E)
- YouTube, What is TCP/IP,  
[https://www.youtube.com/watch?v=PpsEaqJV\\_A0&feature=youtu.be](https://www.youtube.com/watch?v=PpsEaqJV_A0&feature=youtu.be)