Omnibars, Burgers and Boxes: Chromeboxes in the Library

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East Grand Forks
Campbell Library
Things you need to know about EGF
We’re a border city
Things you need to know about the library
Our computers: Before

• Thin Clients
  • Stateless, fanless, desktop terminals
  • Applications, sensitive data, and memory are all stored on a server

“WYSE Thin Clients” by Purple Slog is licensed under CC-BY-2.0
One option: Chromeboxes

“Chromebox” by egfcampbelllibrary is licensed by CC-BY-2.0
Price

- Chromeboxes - $179
- Thin Client - $289
- Desktop PC - $320+

- Energy Star certified
Usability

"The Google App Landscape" by Bryan Mathers is licensed by CC-BY-2.0
Safety

• Built-in internet security software that automatically updates
• Computer policies that wipe all patron data after session end (or 5 minutes of inactivity)

“security.png” by CyberHades is licensed by CC-BY-2.0
Staff Time

• Initially more staff time was required
• Staff no longer needed to reimage or perform manual updates on each machine
• More time for fun!
Testing

- Started with one test box for staff to experiment with
- Added another box for our OPAC
<table>
<thead>
<tr>
<th>Item</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chromebox</td>
<td>$179</td>
</tr>
<tr>
<td>Google Chrome Management Console</td>
<td>$30</td>
</tr>
<tr>
<td>Monitors</td>
<td>$155</td>
</tr>
<tr>
<td>Lantronix xPrint Server Cloud Print Edition</td>
<td>$134</td>
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</tbody>
</table>
More Numbers

Average Weekly Patron Check-ins

![Chart showing Average Weekly Patron Check-ins for 2014 and 2015 across months from January to December. The chart indicates variations in check-ins throughout the year, with peaks in July and August, and troughs in November and December. The chart uses blue for 2014 and red for 2015.]
Even More

Average Weekly Patron Computer Usage in Minutes

Google Apps

• Transitioned staff to Google Apps
  • Gmail
  • Google Docs
  • Calendar

“Computer Keyboard” by Marcie Casas is licensed by CC-BY-2.0
Our computers
Our computers
Inside Chrome OS
App access
Apps preset for Public Sessions
Logout
Admin Console
Admin Console
Chrome Management
Public Session Settings
Children’s Session Settings
### App Management

<table>
<thead>
<tr>
<th>Apps</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Excel Online</td>
<td>Public Session</td>
</tr>
<tr>
<td>Gmail</td>
<td>Public Session</td>
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<tr>
<td>Google Docs</td>
<td>Public Session</td>
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<tr>
<td>OneDrive</td>
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<tr>
<td>Outlook.com</td>
<td>Public Session</td>
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<tr>
<td>Pivot Editor</td>
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<tr>
<td>PowerPoint Online</td>
<td>Public Session</td>
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<tr>
<td>TechSmith Snagit (Extension)</td>
<td>Public Session</td>
</tr>
<tr>
<td>WeVideo - Video Editor and Maker</td>
<td>Public Session</td>
</tr>
</tbody>
</table>
Disadvantages

- Word processing
- Printing
- Some unsupported websites
- CIPA
- Web-based
Advantages

• Speed
• Staff Time Savings
• Security
• Privacy
• Accessibility
• Remote Management
• Beta-tested
• Fewer IT calls
Bibliography


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