

The background features a dark blue gradient with a starry sky effect. On the left side, there are several circular data visualization elements, including concentric circles, dashed lines, and numerical scales (e.g., 150, 160, 170, 180, 190, 200, 210, 220, 230, 240, 250, 260). At the bottom, a silhouette of a mountain range is visible against a lighter blue sky.

# DATA AND ACCOUNTABILITY DIVISION

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INFORMAL SESSION, BOARD MEETING

JUNE 3, 2020

## LMS and E-Learning

- Working along with Academic Affairs to deploy a Learning Management System (LMS) – LMS is the foundation for digital learning and remote instruction. It provides online tools to create and deliver content, student personalized learning, student activities, lessons, grading, and assessment. The system provides access to administrators, teachers, students, and parents. It is planned to be in production Fall of 2020.

## Technology Deployment

- It is estimated that 20,000 student devices will be needed to achieve a 1:1 student to technology ratio. Projected cost \$4.5 million. Maintenance, support, and replacement projected budget: \$3 million a year.
- Close to 7,000 student devices have already been deployed.
- Students in grades 11 and below will retain their issued portable learning devices over the summer.
- An order of 14,000 additional Chromebooks has been prepared for processing.
- An order for 70 MIFI portable wireless devices have been processed. Promotion has also been done on Comcast Internet Essentials (60 days free), and free WIFI community locations have been posted on the public website.
- Quotes are being obtained for 10 Smartbus MIFI devices to serve remote locations.

## Cyber Safety and Security

- Upgraded web filtering to better support remote users (staff and students).
- Guidance provided to staff on the use of multiple online delivery tools - Google Apps for Education, Zoom, and Microsoft Teams.
- Purchased additional enterprise management licenses for portable devices.
- Expanding the use of multifactor authentication (MFA)

### WHAT IS AN LMS?



## Administrative & Business Systems

- BSR – The replacement of the Financial and Human Resource Mainframe is on schedule. All work has transitioned online and remotely. Financial will go live December 2020.
- Cloud-based Systems – Critical systems have been moved to the Cloud which provides better support for remote workers. Examples are PowerSchool, Power Teacher, Online Registration, email Exchange, and the Public Website.
- Business Process Workflows – We continue to move paper-based processes to online workflows. This has helped minimize the impact COVID-19 has had on business operations. However, several solutions are in place. With the completion of the BSR project, all business process workflows will be consolidated to one platform.
- Teleworkers – Employees are now working remotely. We are enhancing the phone system to allow remote staff to connect and use district numbers for placing calls.
- An order for 1,000 laptop devices have been processed.
- Internet access, in general, is not being provided to teleworkers.



## Cyber Safety and Security

- Upgraded VPN for teleworkers. This provides a secured connection to the district and allows us to better monitor and control access to sensitive systems.
- We have increased audits on critical systems for vulnerabilities and activities.
- Guidance will be sent out on online safety practices to all teleworkers.

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AA AA DD DD VV VV AA AA NNNN NN TT AA AA GG EE
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