Google Apps for Education

The IT Division would like to provide Google Apps for Education for NDSU. Although each individual student could certainly sign up for their own Google account, there are a number of advantages to having a single Google Apps for Education instance for NDSU and providing services to students via that instance while using their existing NDSU username and password.

What will students get?

Docs
Google Docs provides easy online collaboration, editing, and security regardless of students’ location or what software they own. Students and professors can upload their own existing documents, spreadsheets, presentations, drawings, forms, and surveys or create them within Google Docs. Then, all of those files can be easily shared and edited based on permissions set by the file owners.

Drive
5 GB of online storage, accessible via any web browser, mobile device, or desktop computer. More storage is available for a price.

Sites
Shared workspaces for classes, faculties, and clubs. Allows students and professors to create web sites without writing any code using hundreds of pre-built templates. Site permissions can be edited by site owners, just as they can with Google Docs. No software is required other than a web browser and sites work on all operating systems.

Apps Marketplace
The apps marketplace has a dedicated education category that will allow NDSU to deploy web apps that integrate with Google Apps for Education. Some of the apps are free and some are not (see https://www.google.com/enterprise/marketplace/categoryHome?categoryId=25).

Moderator
Students and professors can create an online discussion series about anything you are interested in discussing with your group, class, or school.

YouTube for Schools
Students and professors will easily be able to host and view videos in an education-centric version of YouTube.
You can find more information about Google Apps for Education at [https://www.google.com/enterprise/apps/education/](https://www.google.com/enterprise/apps/education/), from which much of the information in this document is drawn.

NDSU will not provide Gmail and Google calendar, as the North Dakota University System already provides email and calendar services via Office 365 and Live@Edu.

**What will is cost?**

The IT Division estimates that providing Google Apps for Education will cost approximately $23,288 annually, broken down as follows:

**Service Integration:** $14,105  
This amount covers 240 hours of a typical IT Division software engineer (with benefits). This will cover the work involved in integrating Google Apps for Education with NDSU’s existing identity management (IDM) solution. Put simply, it will allow us to provision Google Services to students “@ndsu.edu” account using the same rules we use for other similar services, such as Blackboard.  
We will be able to automatically provide the service for new students, lock the service when necessary, and discontinue it when students leave NDSU. Furthermore, there is a distinct advantage to students, faculty, and staff in integrating Google Apps for Education into our existing IDM solution. By bringing everyone at NDSU into the service from the get-go using their existing @ndsu.edu account, file sharing, sites, discussion groups, and permissions management all become vastly simpler and more effective than if students just used their own personal Google accounts. For example, IT currently populates blackboard courses with their students automatically based on course registration information. We can do the same thing for applicable Google services, such as sites, moderator, and docs. Service integration is not a one-time job. It requires the IT division to constantly change, add, and delete rules regarding service provisioning. The IT Division must modify existing tools that the helpdesk uses to serve users who have questions about their services. IDM is an ongoing effort critical to the functioning of IT services at NDSU.

**Help Desk:** $3,458  
This amount covers 80 hours of a typical IT Division helpdesk technician to provide customer service for Google Apps for Education.

**Training:** $1,998  
This amount covers 40 hours of a typical IT Division trainer to provide formal training for Google Apps for Education.

**Management of software engineering staff:** $790
This amount covers 8 hours of an IT Division software engineering manager to provide guidance and oversight to the staff working on the integration of Google Apps for Education into the existing IDM solution.

**Management of help desk staff:** $540

This amount covers 8 hours of an IT Division help desk manager to provide guidance and oversight to the staff working on the customer support for Google Apps for Education.

**Auditing:** $2,398

This amount covers 48 hours an IT Division security officer to provide auditing of the Google Apps for Education service and how it is used and misused by students, staff, and faculty.