

Unit IV- ICT in Assessment

-Assessment: Digital Tools And Options

-E-portfolio

-Digital Rubrics

By Prabin Bastakoti

Assessment: Digital Tools And Options

Assessment tools aid in assessing and evaluating student learning and can provide different options to assess students beyond the traditional exam. Several tools are available including grading rubrics, Canvas Assignments, plagiarism detection, self-assessment and peer assessment, surveys, and classroom polling.

Assessment tools can be used to help support active learning, facilitate team-building activities, and foster peer-to-peer learning. They also provide alternative assessment methods and can be used to check in on student learning in real time.

1. Socrative - quizzes and questions with real-time grading

Socrative is one of the top-rated assessment tools for teachers according to hundreds of online reviews by educators and professional reviewers alike. It's an interactive digital tool that lets you quiz, grade, and assess on-the-fly; "at the speed of learning." Teachers can choose from quick questions for instant feedback, class counts to see who's logged in, or full quizzes for deeper understanding.

This versatile tool lets you create polls and activities and shuffle questions, with or without student names attached. Quizzes are graded in real time, and you can store them for re-use with other groups. It works on smart phones, tablets, laptops, and other devices on MS Windows, Android, and iOS. It's 100% free for students, and it's simple, flexible, and aligns well with Common Core.

<https://youtu.be/RUly7Gsa52o>

2. Google Forms - easy to use and COPPA/FERPA compliant

The best reason to use Google Forms as an online assessment tool for education? Ease of use. Google Forms is a go-to among teachers because it's quick and simple to create and automatically grade quizzes even if it's your first time using the tool. Create multiple-choice quizzes or short-answer quizzes, and make an easy answer key with point assignments for each question.

Google makes it easy for students to answer questions by clicking a drop-down, typing a fast text answer, or posting a short YouTube video. Teachers can view graphs and summaries of frequently missed answers for a quick bird's-eye view of the class as a whole.

<https://youtu.be/xEY10Ub-k-U>

3. Mentimeter — pre-built education templates

Pro reviewers and teachers score Mentimeter sky high among assessment tools used in the classroom. It comes pre-loaded with education templates for the classroom like a listening skills assessment, icebreakers, formative assessments, post-lecture surveys, and polls. Create quizzes and tests, manage student expectations, engage students, and even run a teacher training workshop.

It's free to use and lets you create and host live quizzes either from its templates or from scratch. Pro versions for schools and universities add unlimited question slides per presentation, exports, unlimited quizzes, and support for a few dollars a month. The interface is 101-level simple, with tech support to smooth the bumps.

<https://youtu.be/UrFdN-HQF6I>

4. Poll Everywhere - used by 300,000 teachers

It integrates with Google apps like Google Slides or MS PowerPoint and Keynote; as you prefer. It's used by more than 75% of all Fortune 500 companies and by 300,000+ educators around the world. It also works on iOS and Android phones and tablets.

Get a snapshot of where students are struggling by creating questions as word clouds, open student responses, or with multiple-choice options. Then let students answer with their phones, laptops, or tablets.

Teachers can get real-time feedback in their question slides without calling on specific individuals to roll out assessment as an integrated part of a larger lecture. This is a great way to give students a voice in steering the direction of live lesson plans.

<https://youtu.be/dT3aZ5Ph8e8> &&& https://youtu.be/Vkh_-xuhjOY

5. Kahoot - game-based assessment tool

Students love kahoot's game-based approach to learning and assessment. Teachers can choose from more than 40 million ready-to-go learning games or create their own in minutes. Host games live or as assignments.

Students can plan the assessment games by themselves or as a team, and teachers can add multiple choice or true/false questions to the games. The games are timed and scored, with point scales set up by the teacher.

<https://youtu.be/7XzfWHdDS9Q>

E-Portfolio

An Electronic Portfolio (also known as an e-portfolio, e-portfolio, digital portfolio, or online portfolio) is a collection of electronic evidence assembled and managed by a user, usually on the web. Such electronic evidence may include inputted text, electronic files, images, multimedia, blog entries, and hyperlinks. E-portfolios are both demonstrations of the user's abilities and platforms for self-expression and if they are online, they can be maintained dynamically over time.

Types of E-portfolio

There are three main types of e-portfolios, although they may be referred to using different terms:

Developmental Portfolios: A Developmental e-portfolio can show the advancement of skill over a period of time rubrics. Developmental portfolios are considered works-in-progress and include both self-assessment and reflection/feedback elements. The main purpose is to provide an avenue for communication between student and instructor.

Assessment Portfolios: An assessment portfolio will demonstrate skill and competence in a particular domain or area. These may be end-of-course or program assessments primarily for evaluating student performance. The primary purpose is to evaluate student competency as defined by program standards and outcomes.

Showcase Portfolios: A showcase portfolio highlights stellar work in a specific area. This type of portfolio is created at the end of a program to highlight the quality of student work. Students typically show this portfolio to potential employers to gain employment at the end of a degree program. When it is used for job application it is sometimes called career portfolio.

Usage of E-Portfolio

An E-Portfolio can be created and used by individuals, communities and/or organizations to archive and share learning and culture acquired from informal, non-formal and formal learning environments; provide evidence or verification of learning in a dynamic, multimedia fashion; manage personal and collective

learning to maximize usage and to plan; and showcase or promote particular assets as required.

Looking at the history of the E-Portfolio, as sweeping generalizations, it has been used in:

- primary and secondary education as a tool for demonstration of learning;
- in higher and post-secondary education for the assessment of learning;
- lifelong learning to enable continuous “reflective” learning and to inventory all types of learning;
- the workplace for the recognition of work experience and workplace training, for recruitment and targeted training, and for career advancement;
- E-Learning for Learning Management Systems and Knowledge Management through both online
- tools and web-based services; and
- Organizational and/ or economic development through asset mapping and quality assurance.

Tools for Creating E-Portfolio

There are many online and offline portfolio tools. A simple portfolio can be created using presentation software like power point. There are many advanced portfolio systems currently available.

- ☐ Asymetrix Toolbook (<http://www.asymetrix.com/products/>)
- ☐ SuperLink(<http://www.alchemediainc.com/>)

Some commercially available electronic portfolio templates

- ☐ Macromedia Authorware
(<http://www.macromedia.com/software/authorware/>)
 - ☐ Macromedia Director (<http://www.macromedia.com/software/director/>)
 - ☐ Adobe Page Mill (<http://www.adobe.com/products/pagemill/main.html>)
- FileMaker/

☐ Home Page (http://www.filemaker.com/products/hp_home.html
Macromedia/

☐ DreamWeaver <http://www.macromedia.com/software/dreamweaver/>

☐ Netscape Composer
(<http://home.netscape.com/communicator/composer/v4.0/Adobe>

☐ Acrobat portable document format (PDF) files
(<http://www.adobe.com/products/>

☐ E-portfolio Tool Mahara: Mahara is a fully featured web application to build your electronic portfolio. You can create journals, upload files, embed social media resources from the web and collaborate with other users in groups. You can Download it from <https://mahara.org/>

The E-Portfolio may be used to advantage in:

- Community networks and community learning networks;
- eLearning and uses of ICT in education, training and human resources development;
- Application of and access to broad-bandwidth technologies and possibilities;
- Community asset accounting, social capital and community economic development;
- Human Capital Accounting and the management of Knowledge Workers;
- Prior Learning Assessment and the recognition of all forms of learning;
- Volunteer and staff recruitment, development and management;
- Professional communities of practice and virtual communities;
- Community and enterprise branding and competitive advantage;
- Strategic planning and change management;
- Quality assurance of products and services.

Digital Rubrics

A rubric, also called a mark scheme, in education refers to an evaluation tool teachers use to keep a consistent application of learning expectations, learning objectives, or learning standards in the classroom. Rubrics can be used to measure a student's knowledge and skills against a consistent set of criteria. Rubrics are more objective than a grade and students can clearly see the criteria or objectives for their learnings. The rubric can be used as an instructional table (so students know the objectives) or as a scoring instrument (to set grades or the degree to which students achieved the criteria in the rubric).

Tools For Creating Rubrics

1. Annenberg Learner

1. About Annenberg Learner:

Annenberg Learner is a tool that allows teachers to specify the appearance of their rubric and the criteria on which students will be graded. The service then creates a rubric based on those specifications for educators to use.

2. How To Use Annenberg Learner:

Click the link above to go to the Annenberg Learner page. Once there, click the bold “Build a Rubric” text in the middle of the page. On the next page, specify the title of the rubric and your name, and then click “Next”. Now choose whether you want your rubric to be in a table or list format and click “Next”. On Step 3, select the rating system for your rubric and click “Next”. For Step 4, determine how you would like your rating system to appear on your rubric. On the next page, determine the criteria that students will be graded on and click “Next”. For Step 6, decide how you would like these criteria to appear in your rubric and click “Next”. Your rubric is now complete! Annenberg Learner’s Build a Rubric system has created a rubric for you based on your own specifications. To view your rubric, click the “Completed Rubric” hyperlink on the Step 7 page.

2. EssayTagger Common Core Rubric Creation Tool

- EssayTagger Common Core Rubric Creation ToolAbout EssayTagger Common Core Rubric Creation Tool:

The Essay Tagger Common Core Rubric creation tool is a service that allows teachers to simply and easily create rubrics based on Statewide Common Core Standards.

- How To Use EssayTagger Common Core Rubric Creation Tool:
Click the link above to visit the EssayTagger Common Core Rubric creation tool. Once there, click the “Begin” button at the bottom of the page. First, select the grade level of your rubric and click “Continue”. On the next page, determine the elements from the Common Core Standards that you would like students to be graded on and click “Continue”. On the next page, customize the Common Core elements you specified and click “Continue”. Now input the title of the rubric as well as your personal information and click “Create Rubric”. Now you are able to print, download or share your new Rubric!

3.iRubric

1. About iRubric:

iRubric is a service provided by Rcampus.com that allows users to create a rubric that they can save and edit at any time.

2. How To Use iRubric:

Click the link above to visit the iRubric homepage. Once there, locate the hyperlink that reads, “Get started” directly below the slideshow and click it. You will now be taken to a signup page; designate which type of account you would like to create and click “Continue”. On the next page, enter your username, email address, and password and then move on to the next step. On the next page, you will enter your personal information and then click “Save”. After completing the signup process, you will be taken to a “Quick Links” page. Once here, locate the tab to the top right of the screen that reads “Rubrics” and click it. Select “Build” from the dropdown menu. To create a new rubric, select “Option A: Build From Scratch” and click “Start”. On your rubric creation page, first enter the title, description, keywords, and grade level of your rubric. Then select a primary subject and type. Scroll down to your rubric. In the first column, enter a title and categories on which students will be graded. In the remaining columns to the right of the screen, include the specifications for those categories. Add a level or column by clicking “Add Level or Column” to the right of the screen. Once you are done with your rubric, find the “This Rubric is:” heading and click “Ready to use”. Under “Gallery Viewing” decide whether or not you would like to keep your rubric private or open it for public viewing. When you are done, click “Save”. You will now be redirected to a page where you can decide if you would like to share your rubric, print it, or do a multitude of other things.

4.RubiStar

1. About RubiStar:

RubiStar is a simple and easily customizable rubric creation tool.

2. How To Use RubiStar:

Click the link above to visit the RubiStar site. Once there, scroll down to the “Create a Rubric” heading and click the blue button for the subject that you would like to create a rubric for. RubiStar will now redirect you to a page with customizable rubric template to choose from. Choose the rubric template that is most similar to the assignment for which you are creating a rubric. You will now be redirected to the page where you will create your rubric. First include general information for the rubric, like your name, the name of the project, the zip code in which you are teaching, and whether or not this is a demonstration rubric. After specifying basic rubric info, you are able to begin customizing your rubric under the “Creating and Editing your Rubric” heading. Under the “Category” column, choose the categories on which students will be graded. In the remaining columns to the right of the “Category” column, include the specifications for student work that is below standards, approaches standards, meets standards, or is above standards; include scores if you wish. Once you are done customizing your rubric, click the “Submit” arrow at the bottom of the screen. RubiStar will now redirect you to a screen on which you are able to print, download, or make your rubric available online.

5. Technology General Rubric Generator:

1. About Technology General Rubric Generator:

The Technology General Rubric Generator is a rubric generator that is incredibly easy to use and produces a rubric with a clean look.

2. How To Use Technology General Rubric Generator:

Click the link above to visit the Technology General Rubric Generator. Once there, locate the text boxes under “Step #1: School, Title, and Teacher Name” and input the required information. Choose a picture for your rubric under “Step #2: Pick a Picture”. In “Step #3: Body of Rubric”, you will create the specifications for the assignment. In the text box next to the gray boxes that read “Stated Object or Performance Number”, input the category on which students will be graded. In the text boxes next to the blue boxes that read “(Beginning, Developing, Accomplished, or Mastery) Level of Performance for Objective #” input the specifications on which students will be graded. Once you are done editing your rubric, click “Generate-Rubric” at the bottom of the page. Technology will now provide you with a plain text version of your rubric that you are able to either print or copy and paste into a document or email.

