



**Midwestern State University**  
**Gordon T. & Ellen West College of Education**  
ETEC 4113  
Advanced Technology Integration  
Fall 2022

Contact Information

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Course Description

This course prepares undergraduate students to use suites of digital media and communication tools that support technological pedagogical content knowledge development. Students will develop learning experiences that incorporate new technologies, engage in professional growth and leadership and learn how to increase efficiency and save time by optimizing workflow. Through this class, you will be exposed to Google Certified Educator Level 1 & 2 materials and resources. This class will prepare you to take the Google Certification Educator Level 1& 2 test if you so desire. Being Google Certified will be practical in any course of study or career field.

## Textbook & Instructional Materials

The Google Infused Classroom: A Guidebook to Making Thinking Visible and Amplifying Student Voice

By Holly Clark & Tanya Avrith

ISBN: 978-1-7336468-0-2

*(The book store will have these, and they can be purchased through the bookstore link on D2L) Also available on Amazon. This book is considered a guidebook and will be read differently from other textbooks.*

*( It is the Jammmmm, you will love it as a resource!)*

## Student Handbook

Refer to: [Student Handbook-2020-22](#)

## Academic Misconduct Policy & Procedures

Academic Dishonesty: Cheating, collusion, and plagiarism (the act of using source material of other persons, either published or unpublished, without following the accepted techniques of crediting or the submission for credit of work, not the individual's to whom credit is given). Additional guidelines on procedures in these matters may be found in the Office of Student Conduct.

[Office of Student Conduct](#)

## Grading

The following will be used to determine your final grade for the class. All grades will be scored on a scale of 100 possible points. The instructor reserves the right to make adjustments to this plan during the course of the class and agrees to notify all students if such should occur.

Assignments	Points
Quizzes (6 at 50 pts each)	300
Chapter Flipgrid Reviews(9 at 50 pts each)	450
Final Exam Portfolio/ Tech challenges (10 at 25 pts each)	250
<b>Total Points</b>	<b>1000</b>

Table 2: Total points for a final grade.

Grade	Points
A	900 to 1000
B	800 to 899
C	700 to 799
D	600 to 699
F	Less than 600

### Late Work Policy

All week assignments are due midnight on Friday. I grade on Monday. Complete all assignments on time. I understand life happens; try to stick to the assignment deadlines; they are in place to help you with the workload. **If you miss the deadline, you need to email me.**

### Protecting Your Privacy

Social networking media such as wikis, Facebook, Twitter, and other such media were created with the idea that the people using them want to share information and ideas. It is also true that there are real problems when sharing information on social networking media, and these include crossing over between your social life, your academic life, and your professional life. Be proactive, and ensure you only share information that you feel is appropriate for an academic setting.

Do not share your username or password for Google, GAFE, just as you do not share your username and password for D2L, WebWorld, or your email.

All course grades are kept in D2L and can be seen by the student and instructor only. No course grades will be sent by email or posted anywhere other than D2L.

Do not respond to emails that ask for your user name, password, or

other private information. The instructor, the College of Education, and the University will not ask for such information by email.

If you are participating on Facebook, Twitter, or other such media, you are welcome to include that information in your Digital Portfolio that you will complete as part of your coursework. However, you should check your privacy settings beforehand and make sure that you use the grouping and privacy tools to share only the information you want to share with the class.

### Assignment Pacing Guide

All Assignments for this class are linked in this Hyperdoc Calendar. Please use it as a pacing guide for your assignments.

[Assignment Calendar Hyperdoc](#)

<a href="#">Link to D2L - Turn in assignments here</a>		
Week 1		
Date	Assignment/ To Do List	All Work due by Friday at Midnight
Monday, Aug. 22	<ul style="list-style-type: none"> <li><input type="checkbox"/> Read the Read me First folder in D2L</li> <li><input type="checkbox"/> Read the <a href="#">syllabus</a></li> <li><input type="checkbox"/> Student Survey</li> <li><input type="checkbox"/> Watch the <a href="#">How to D2L video</a> &amp; <a href="#">How to upload an assignment video</a></li> <li><input type="checkbox"/> Print this calendar and use it as a checkoff list/ Or use it as a Hyperdoc in Google Docs to have links available. You can work right off of this calendar.</li> </ul>	<a href="#">Student Survey</a>
Tuesday, Aug. 23	<ul style="list-style-type: none"> <li><input type="checkbox"/> Let's Connect Flipgrid</li> </ul>	<a href="#">Respond to Flipgrid Let's Connect</a>
Wednesday, Aug. 24		
Friday, Aug. 26		All Weeks Assignments submitted by Midnight/ I grade on Monday
Week 2		
Date	Assignment/ To Do List	All Work due by Friday at Midnight

Monday, Aug. 29	<input type="checkbox"/> Read Pedagogy Section in the book Pages 2-25 <input type="checkbox"/> Flipgrid Reading Reflection	<a href="#">Flipgrid Reading2-25 Reflection</a>
Wednesday, Aug. 31	<input type="checkbox"/> <a href="#">Google Cert 1 Boot Camp Sheet</a>	
Friday, Sept. 2		<a href="#">Flipgrid Google Cert Boot Camp Reflection</a>
<b>Week 3</b>		
<u>Date</u>	<u>Assignment/ To Do List</u>	<u>All Work due by Friday at Midnight</u>
Monday, Sept. 5	<input type="checkbox"/> Holiday	
Tuesday, Sept. 6	<input type="checkbox"/> Use this information for the quiz- <a href="#">Get Ready To use Technology in the classroom. ( Under Unit One: click Explore the benefits of the Digital classroom and encourage Twenty-First Century work go through the material</a>	<a href="#">Explore the Benefits Unit 1 Quiz</a>
Wednesday, Sept. 7	<input type="checkbox"/> <a href="#">Google Sites Challenge</a> - this will be a part of your final project <a href="#">Google Site Video Training Library- Help</a>	
<b>Week 4</b>		
<u>Date</u>	<u>Assignment/ To Do List</u>	<u>All Work due by Friday at Midnight</u>
Monday, Sept. 12	<input type="checkbox"/> Read Assessment Section in the book Pages 26- 39	<a href="#">Flipgrid Reading Reflection</a> Pages 26-39
Wednesday, Sept. 14	<input type="checkbox"/> <a href="#">Forms/ Sheets Challenge</a> -you will click file/ make a copy to edit and write on this sheet and then Download it as a PDF to upload into D2L. Instructions are on the sheet.	<ul style="list-style-type: none"> <li>• Turn In: Download the Google Forms Challenge page as a PDF and upload that into D2L. Under the Assignment. Click file/download as</li> </ul>
Friday, Sept. 16	<input type="checkbox"/> <a href="#">Google Classroom G Suite Tutorial Sheet</a> -You will need to open the <a href="#">G Suite Tutorial Sheet</a> . Look through the Google Classroom section to learn more about Google Classroom. Go through all of the videos under Google Classroom. Then you will need to go into our <a href="#">Google</a>	<ul style="list-style-type: none"> <li>• go into our <a href="#">Google Classroom</a> (Code:4eeb4gy) and leave a comment about something you learned new about Google Classroom in order for me to give you a grade for completion. Nothing will need to be uploaded into D2L.</li> </ul>

	<p><a href="#">Classroom</a> (Code:4eeb4gy) and leave a comment about something you learned new about Google Classroom in order for me to give you a grade for completion. Nothing will need to be uploaded into D2L.</p>	
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Week 5		
Date	Assignment/ To Do List	All Work due by Friday at Midnight
Monday, Sept. 19	<input type="checkbox"/> Read Tips for Differentiation in the book Pages 40-46	<a href="#">Differentiation Flipgrid Reflection</a>
Wednesday, Sept. 21	<input type="checkbox"/> <a href="#">the Hyperdoc Challenge</a> - Instructions: You will open the Hyperdoc and Click File/ Make a copy. You will need to work through the sections of the hyperdoc. When you get to the section of turning in your assignment, you will have created your own hyperdoc and you can turn that into the assignment dropbox.	
Friday, Sept. 23		<ul style="list-style-type: none"> <li>• Turn In: Download the Google Docs Challenge page as a PDF and upload that into D2L. Under the Assignment. Click file/download as</li> </ul>

Week 6		
Date	Assignment/ To Do List	All Work due by Friday at Midnight
Monday, Sept. 26	<input type="checkbox"/> Read Digital Portfolios in the book. Pages 96-111	<a href="#">Digital portfolio Flipgrid Reflection</a>
Wednesday, Sept. 28	<input type="checkbox"/> <a href="#">Get familiar with Google Tools for the digital classroom( Under unit one, Click Getting familiar with Google Tools)</a>	<a href="#">Get familiar with Google tools Quiz</a>
Friday, Sept. 30		

Week 7		
Date	Assignment/ To Do List	All Work due by Friday at Midnight
Monday, Oct. 3	<input type="checkbox"/> <a href="#">Twitter Tips- Read the Twitter article</a>	Work through the Twitter Tips page and complete the tasks they introduce. Make a Twitter account if you do not have one.

		When you are done setting up your Twitter, follow me on Twitter <a href="#">@moore2thestory</a> , and send me a shout-out on Twitter and I will follow you back.
Wednesday, Oct. 5		
Friday, Oct. 7	<input type="checkbox"/> <a href="#">Unit 6: Bring Meetings Online</a> (under unit six, go through all of this unit)	<a href="#">Unit 6 Bring Meetings Online Quiz</a>

Week 8		
Date	Assignment/ To Do List	All Work due by Sunday at Midnight
Monday, Oct. 10	<input type="checkbox"/> Read Demonstrations of learning in the book. Page 47-82	
	<input type="checkbox"/> <a href="#">Level 2 Unit2: Leverage Learning Models To personalize Learning ( Work through the unit</a>	<a href="#">Level 2- Unit 2 Quiz</a>
Wednesday, Oct. 12	<input type="checkbox"/> <a href="#">Flipgrid PSA Challenge</a> <input type="checkbox"/> <a href="#">Flipgrid PSA Topic Card</a>	
Friday, Oct. 14		Add your PSA to your FLipgrid Response in Flipgrid.

Week 9		
Date	Assignment/ To Do List	All Work due by Friday at Midnight
Monday, Oct. 17	<input type="checkbox"/> <a href="#">Level 2, Unit 3: Use Advanced Features to Optimize Workflow ( click on Unit 3 and work through the steps)</a>	<a href="#">Level 2 Unit 3 Quiz</a>
Wed., Oct. 19	<input type="checkbox"/> Read The Tools in the Book. Pages 117-127	<a href="#">Flipgrid reading reflection Rethinking</a>
Friday, Oct. 21		

Week 10		
Date	Assignment/ To-Do List	All Work due by Friday at Midnight
Monday, Oct. 24	<input type="checkbox"/> <a href="#">Level 2 Unit 10: Give Students a Voice ( work through unit 10)</a>	Level 2, Unit 10 Quiz
Wednesday, Oct. 26	<input type="checkbox"/> Read this <a href="#">Screencasting article</a>	<a href="#">Screencast Article Flipgrid Reflection</a>
Friday, Oct. 28		

Week 11		
Date	Assignment/ To Do List	All Work due by Friday at Midnight

Monday, Oct 31	<input type="checkbox"/> Read Reflection and Curation and the tools to use in the book pages 83-94	
Wednesday, Nov. 2		
Friday, Nov. 4	<input type="checkbox"/> <a href="#">Google Slides Challenge</a>	<input type="checkbox"/> Turn In: Download the Google Slides Challenge page as a PDF and upload that into D2L. Under the Assignment. Click file/Download as

**Week 12**

Date	Assignment/ To Do List	All Work due by Friday at Midnight
Monday, Nov. 7	<input type="checkbox"/> <a href="#">Look Through the Level 2 BootCamp</a> - Go through the Google Certified Level 2 Task Cards. <input type="checkbox"/> <a href="#">Complete the Google Cert 2 Boot Camp Flipgrid Reflection.</a>	If you would like you can register to take the Google level 1 & 2 Cert Test/ you have all the training and this will be an asset to you no matter your career field. <a href="#">level 1 &amp; Level 2 Google Cert test.</a>  <input type="checkbox"/> <a href="#">Google Cert 2 Boot Camp Flipgrid Reflection</a>
Wednesday, Nov. 9		
Friday, Nov. 11	<input type="checkbox"/> <a href="#">Google Drawing Challenge</a>	Drawing Ninja Challenge Page Turn In: Download the Google Drawing Challenge page as a PDF and upload that into D2L. Under the Assignment. Click file/download as

**Week 13**

Date	Assignment/ To Do List	All Work due by Friday at Midnight
Monday, Nov. 14	<input type="checkbox"/> <a href="#">Ar/VR Sites Challenge</a>	<a href="#">Flipgrid Ar/Vr Video Response</a>
	<input type="checkbox"/> Read over the <a href="#">rubric</a> for your end-of-the-class Google Site Final. You may start working on this. It will be due on Dec. 2nd.	
Wednesday, Nov. 16	<input type="checkbox"/> Work on your final Portfolio <input type="checkbox"/> <a href="#">Portfolio Rubric</a> <input type="checkbox"/> <a href="#">Iste Standards</a> <input type="checkbox"/> <a href="#">ISTE Educator Standards</a>	<b>Work on your Portfolio and finish any uncompleted assignments.</b>

**Week 14**

Date	Assignment/ To Do List	All Work due by Friday at Midnight
Thanksgiving Holiday	November 21-25	No work/ Maybe take this time to organize your portfolio.



Week 15		
Date	Assignment/ To-Do List	All Work due by Friday at Midnight
Monday, Nov. 28	<input type="checkbox"/> Work on your Google Site <a href="#">final project</a> <input type="checkbox"/> <a href="#">Portfolio Rubric</a> <input type="checkbox"/> <a href="#">Iste Standards</a> <input type="checkbox"/> <a href="#">ISTE Educator Standards</a>	
Wednesday, Nov. 30		
Friday , Dec. 2	Turn Everything into D2L	Upload your published Google Site link to D2L in the assignment link.
Monday, Dec. 5	Last Deadline for all grades	

#### COMMUNICATIONS:

All communication will be conducted via the D2L found at <https://d2l.msutexas.edu/d2l/login>. It is imperative that you check your email or the News communication in D2L regularly. Select a class partner to have as an alternate contact for class questions, etc.

#### ATTENDANCE AND CLASS PARTICIPATION:

This class is online. Everything that you will need will be labeled and in weekly folders in D2L. You will also be given <https://d2l.msutexas.edu/d2l/login> an activity [assignment calendar](#) in D2L with dates to stay on track with assignments. Video instructions and text instructions for every assignment will be provided in D2L. You are responsible for getting your assignments turned in on time. This class is designed with you in mind and designed for you to work at your own pace. This course will require you to download several apps and use several instructional technology platforms.

Apps you will use in this class:



**Flip App (flipgrid)**- All video discussions will take place through this app. You will also be able to use this in the web-based form from your computer and not only the app. The Grid link will be in D2L for you or here: <https://flipgrid.com/etce4113>. Please watch this [instruction video](#) to learn how to video yourself through the app.

#### STORAGE DEVICE AND FILE MANAGEMENT:

We will store everything in D2L. You will also be using Google Suite heavily and can use your MSU Google or your own personal Google Account.

#### ATTITUDE:

Demonstrate the following dispositions essential for learning:

- curiosity (ask meaningful questions, look for additional information, probe, reflect);
- flexibility (take alternate points of view, venture new ideas; be open-minded and playful);
- organization (plan ahead)
- patience (take time to reason, be persistent in efforts);
- risk-taking (try things beyond current repertoire);
- caring/passion (invest in ideas/process/product).

Be aware of how your attitude is conveyed to others (body language, conversation, neatness and completeness of work, willingness to assist and contribute, etc.). A sense of humor and the ability to be flexible is crucial!

#### PREPARATION:

Complete all assignments on time. I understand life happens to try to stick to the assignment deadlines; they are in place to help you with the workload.

## RESPECT:

Be considerate of others. We will use a video-based discussion platform called Flipgrid. Make sure that when communicating through a video, you do not use foul language. Behave in an ethical manner.

## CELL PHONES:

You will download several Apps, and your phone will be of use in this class.

## ACADEMIC MISCONDUCT

Any act of dishonesty will constitute academic misconduct. MSU students demand of themselves the highest level of academic honesty as delineated in their honor creed. Academic honesty involves the submission of work that is wholly the student's own work, except in the case of assigned group work. Additionally, academic honesty involves the proper citation of other authors' works. By enrolling in this course, the student expressly grants MSU a "limited right" in all intellectual property created by the student for the purpose of this course. The "limited right" shall include but shall not be limited to the right to reproduce the student's work product in order to verify originality and authenticity and to use for educational purposes.

## EQUAL TREATMENT:

The instructor and students in this course will act with integrity and strive to engage in equitable verbal and non-verbal behavior with respect to differences arising from age, gender, race, physical ability, and religious preferences.

## REASONABLE ACCOMMODATIONS

In accordance with the law, MSU provides academic accommodations to students with documented disabilities. If you have a documented disability, please contact me immediately

## Course competencies

Upon completion of this course, the student will be able to:

Competency 1: Understand the appropriate use of online resources

Competency 2: Understand the role of technology in promoting literacy and higher-order skills.

Competency 3: Integrate Technology in classroom planning and instruction.

Competency 4: Model the use of a variety of instructional technologies.

Competency 5: Utilize technology to monitor student learning.

## Course Standards

Standard I: All teachers use and promote creative thinking and innovative processes to construct knowledge, generate new ideas, and create products.

1.1k,1.2k,1.3k, 1.1s,1.2s,1.3s,1.4s,1.5s

Standard II: All teachers collaborate and communicate both locally and globally using digital tools and resources to reinforce and promote learning.

2.1k,2.2k,2.3k,2.4k,2.1s,2.2s,2.3s,2.4s,2.5s,2.6s,2.7s,

Standard II: All teachers collaborate and communicate both locally and globally using digital tools and resources to reinforce and promote learning.

2.8s,2.9s,2.10s,

Standard III: All teachers acquire, analyze, and manage content from digital resources. 3.1k,3.2k,3.3k,3.1s,3.2s,3.3s,3.4d,3.5s,3.6s,3.7s

Standard IV: All teachers make informed decisions by applying critical thinking and problem-solving skills. 4.1k,4.2k,4.3k,

4.1s,4.2s,4.3s,4.4s,4.5s,4.6s,4.7s,4.8s,

Standard IV: All teachers make informed decisions by applying critical thinking and problem-solving skills. 4.9s,4.10s,4.11s,4.12s

Standard V: All teachers practice and promote safe, responsible, legal, and ethical behavior while using technology tools and resources.

5.1k,5.2k,5.3k,5.1s,5.2s,5.3s,5.4s,5.5s,5.6s

Standard VI: All teachers demonstrate a thorough understanding of technology concepts, systems, and operations.

6.1k,6.2k,6.3k,6.4k,6.1s,6.2s,6.3s,6.4s,6.5s,6.6s,6.7s,6.8s,6.9s,6.10s,6.11s,6.12s,6.13s,6.14s,6.15s,6.16s,6.17s,6.18s,6.19s,6.20s,6.21s,6.22s,6.23s,6.24s,6.25s,6.26s,6.27s,6.28s,6.29s,6.30s,6.31s

Standard VII: All teachers know how to plan, organize, deliver, and evaluate instruction for all students that incorporates the effective use of current technology for teaching and integrating the Technology Applications Texas Essential Knowledge and Skills (TEKS) into the curriculum.7.1k,7.2k,7.3k,7.4k,7.5k,7.8k,7.5k,7.6k,7.7k,7.8k,7.1s,7.2s,7.3s,7.4s,7.5s,7.6s,7.7s,7.8s,7.9s,7.10s,7.11s,7.12s,7.13s,7.14s,7.15s,7.16s,7.17s,7.18s,

## Conceptual Framework Overview

The outcomes for graduates of professional programs are based upon knowledge, skills, and dispositions in the following elements:

**Learner Development** - understands how learners grow and develop, recognizing that patterns of learning and development vary individually within and across the cognitive, linguistic, social, emotional, and physical areas, and designs and implements developmentally appropriate and challenging learning experiences.

**Learning Differences** - understand individual differences and diverse cultures and communities to ensure inclusive learning environments that enable each learner to meet high standards.

**Learning Environment** - work with others to create environments that support individual and collaborative learning, and that encourage positive social interaction, active engagement in learning, and self-motivation.

**Content Knowledge** - understand the central concepts, tools of inquiry, and structures of the discipline(s) he or she teaches and create learning experiences that make the discipline accessible and meaningful for learners to assure mastery of the content.

**Application of Content** - understand how to connect concepts and use differing perspectives to engage learners in critical thinking, creativity, and collaborative problem solving related to authentic local and global issues.

**Assessment** - understand and use multiple methods of assessment to engage learners in their own growth, to monitor learner progress, and to guide the teacher's and learner's decision making.

**Planning for Instruction** - plan instruction that supports every student in meeting rigorous learning goals by drawing upon knowledge of content areas, curriculum, cross-disciplinary skills, and pedagogy, as well as knowledge of learners and the community context.

**Instructional Strategies** - understand and use a variety of instructional strategies to encourage learners to develop a deep understanding of content areas and their connections, and to build skills to apply knowledge in meaningful ways.

**Professional Learning and Ethical Practice** - engage in ongoing professional learning and use evidence to continually evaluate his or her practice, particularly the effects of his or her choices and actions on others (learners, families, other professionals, and the community), and adapts practice to meet the needs of each learner.

**Leadership and Collaboration** - seek appropriate leadership roles and opportunities to take responsibility for student learning, to collaborate with learners, families, colleagues, other school professionals, and community members to ensure learner growth, and to advance the profession.

Course Learning Objectives or What's in it for you

Students demonstrate a basic level of technological pedagogical content knowledge through creating student-centered, technology-rich lessons, assessments, and parent communication (CAEP Standard 1)

Students design, implement, create and participate in digital learning and teaching experiences in the classroom and for professional development (CAEP Standard 2)

Students demonstrate knowledge and can model through their teaching content decisions the legal and ethical implications of digital citizenship.

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## **ISTE Standards for Educators**

### **Empowered Professional**

#### **1. Learner**

Educators continually improve their practice by learning from and with others and exploring proven and promising practices that leverage technology to improve student learning. Educators:

- a. Set professional learning goals to explore and apply pedagogical approaches made possible by technology and reflect on their effectiveness.
- b. Pursue professional interests by creating and actively participating in local and global learning networks.
- c. Stay current with research that supports improved student learning outcomes, including findings from the learning sciences.

## **2. Leader**

Educators seek out opportunities for leadership to support student empowerment and success and to improve teaching and learning.

Educators:

- a. Shape, advance, and accelerate a shared vision for empowered learning with technology by engaging with education stakeholders.
- b. Advocate for equitable access to educational technology, digital content and learning opportunities to meet the diverse needs of all students.
- c. Model for colleagues the identification, exploration, evaluation, curation and adoption of new digital resources and tools for learning.

## **3. Citizen**

Educators inspire students to positively contribute to and responsibly participate in the digital world. Educators:

- a. Create experiences for learners to make positive, socially responsible contributions and exhibit empathetic behavior online that builds relationships and community.
- b. Establish a learning culture that promotes curiosity and critical examination of online resources and fosters digital literacy and media fluency.
- c. Mentor students in the safe, legal, and ethical practices with digital tools and the protection of intellectual rights and property.
- d. Model and promote the management of personal data and digital identity and protect student data privacy.

## **Learning Catalyst**

### **4. Collaborator**

Educators dedicate time to collaborate with both colleagues and students to improve practice, discover and share resources and ideas, and solve problems. Educators:

- a. Dedicate planning time to collaborate with colleagues to create authentic learning experiences that leverage technology.
- b. Collaborate and co-learn with students to discover and use new digital resources and diagnose and troubleshoot technology issues.
- c. Use collaborative tools to expand students' authentic, real-world learning experiences by engaging virtually with experts, teams, and students, locally and globally.
- d. Demonstrate cultural competency when communicating with students, parents, and colleagues and interact with them as co-collaborators in student learning.

### **5. Designer**

Educators design authentic, learner-driven activities and environments that recognize and accommodate learner variability. Educators:

- a. Use technology to create, adapt and personalize learning experiences that foster independent learning and accommodate learner differences and needs.
- b. Design authentic learning activities that align with content area standards and use digital tools and resources to maximize active, deep learning.
- c. Explore and apply instructional design principles to create innovative digital learning environments that engage and support learning.

### **6. Facilitator**

Educators facilitate learning with technology to support student achievement of the 2016 ISTE Standards for Students. Educators:

- a. Foster a culture where students take ownership of their learning



- goals and outcomes in both independent and group settings.
- b. Manage the use of technology and student learning strategies in digital platforms, virtual environments, hands-on maker spaces or in the field.
  - c. Create learning opportunities that challenge students to use a design process and computational thinking to innovate and solve problems.
  - d. Model and nurture creativity and creative expression to communicate ideas, knowledge, or connections.

## **7. Analyst**

Educators understand and use data to drive their instruction and support students in achieving their learning goals. Educators:

- a. Provide alternative ways for students to demonstrate competency and reflect on their learning using technology.
- b. Use technology to design and implement a variety of formative and summative assessments that accommodate learner needs, provide timely feedback to students and inform instruction.
- c. Use assessment data to guide progress and communicate with students, parents, and education stakeholders to build student self-direction.