



Level Up Your Lesson

Epic Adventures with the

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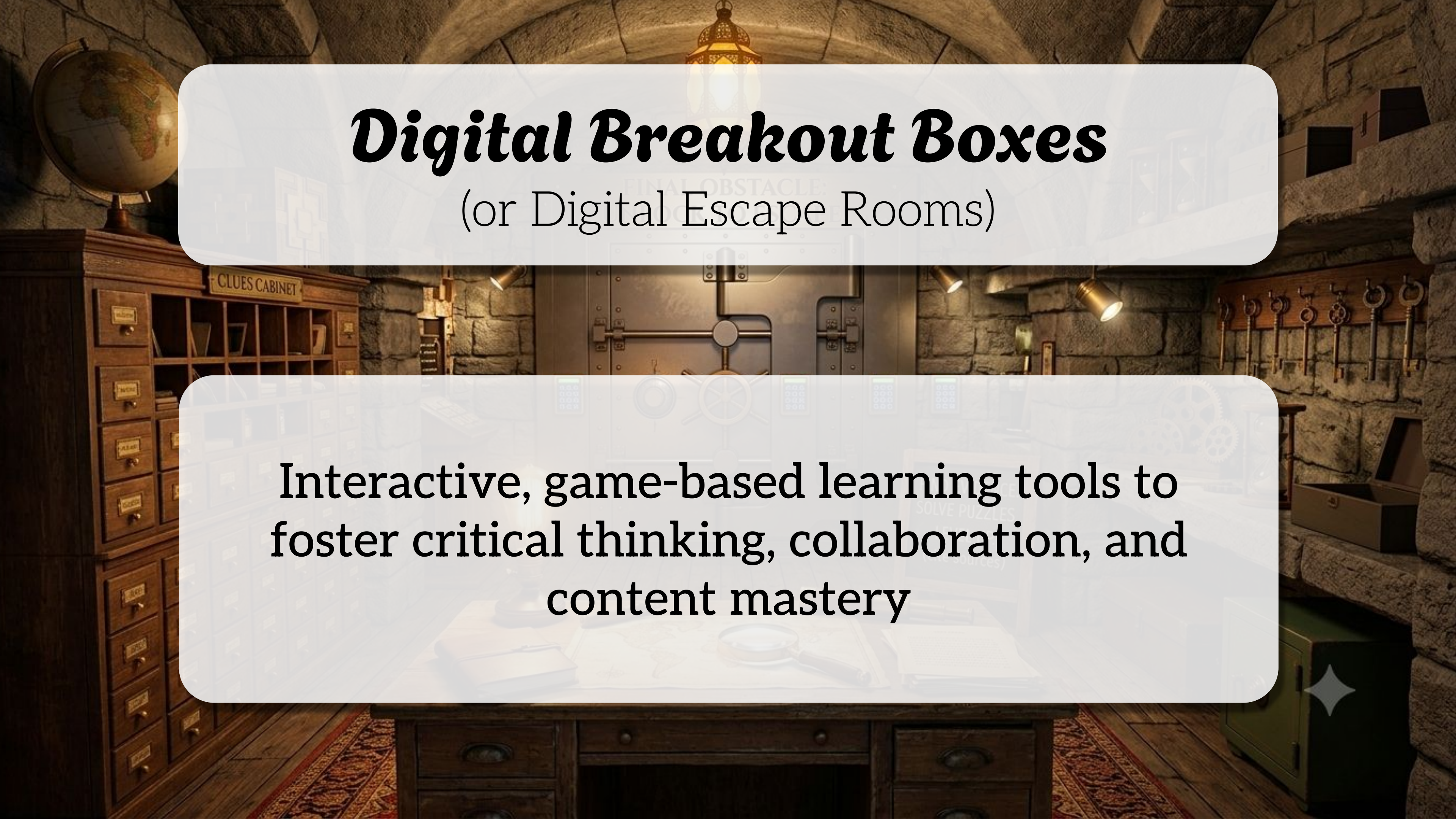
To receive credit for this session, make sure you ***complete the survey at the end***

Learning Target

Today I will design an interactive digital breakout that aligns to my curriculum and requires students to solve puzzles using evidence.

So that I can increase student engagement while promoting critical thinking, collaboration, and meaningful application of learning.

I'll know I'm successful when students use curriculum-based evidence to solve each challenge, and every puzzle supports the intended learning objective.



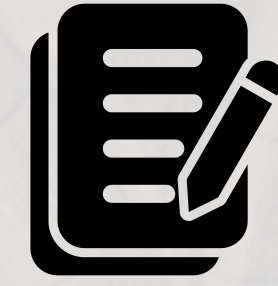
Digital Breakout Boxes

(or Digital Escape Rooms)

Interactive, game-based learning tools to
foster critical thinking, collaboration, and
content mastery



**Explore a concept before
instruction**



**As a formative assessment
or test review**



**Diver deeper into a concept
that students have already
learned about**



**Promote teamwork and
collaboration**

The Game Plan

01

**Experience
what it's like
as a student**

02

**Discover
tools and use
cases**

03

**Design your
first digital
breakout**

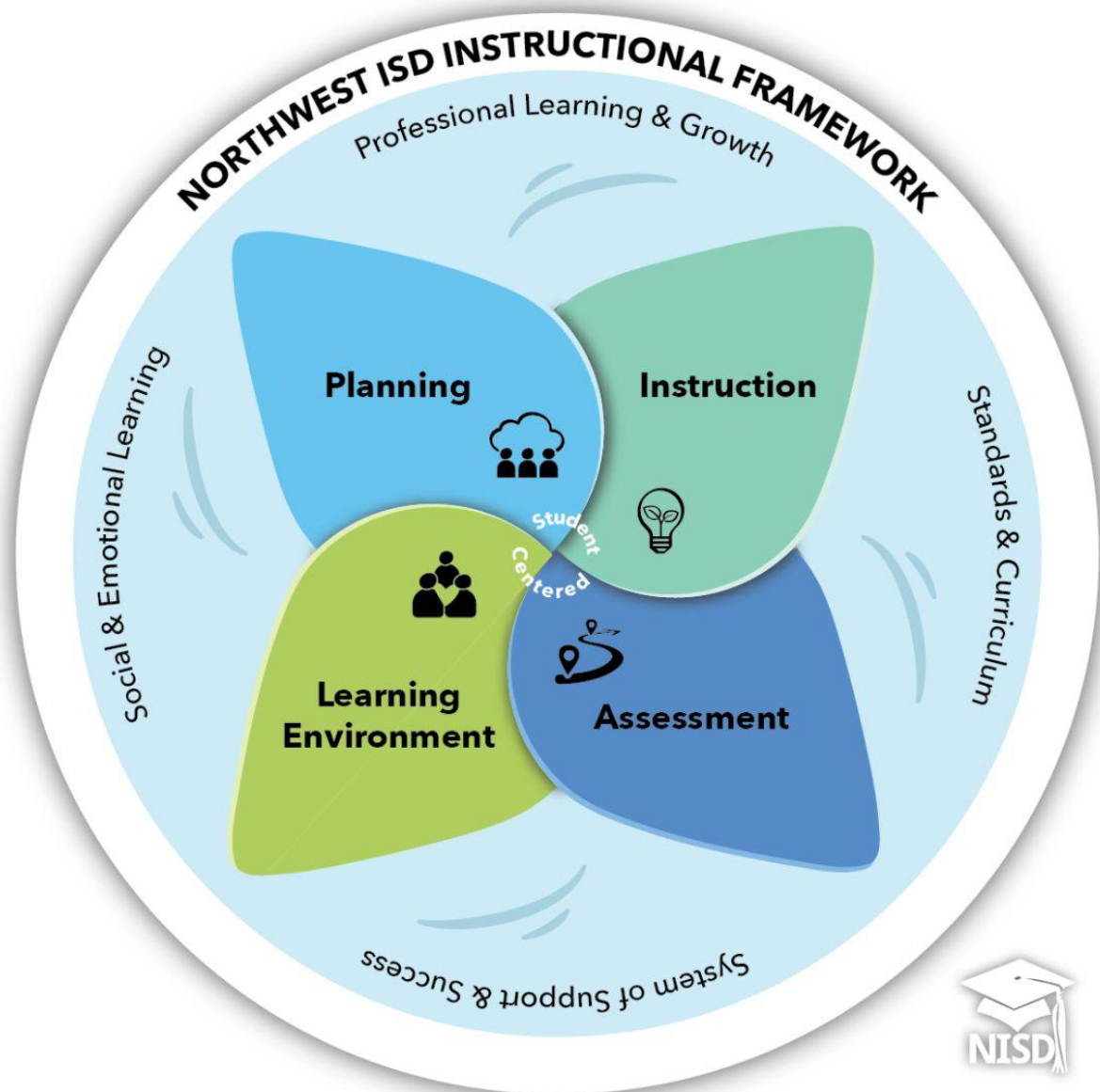


Get into groups of 3.

One of you will need your computer. :)

Northwest ISD

Instructional Framework



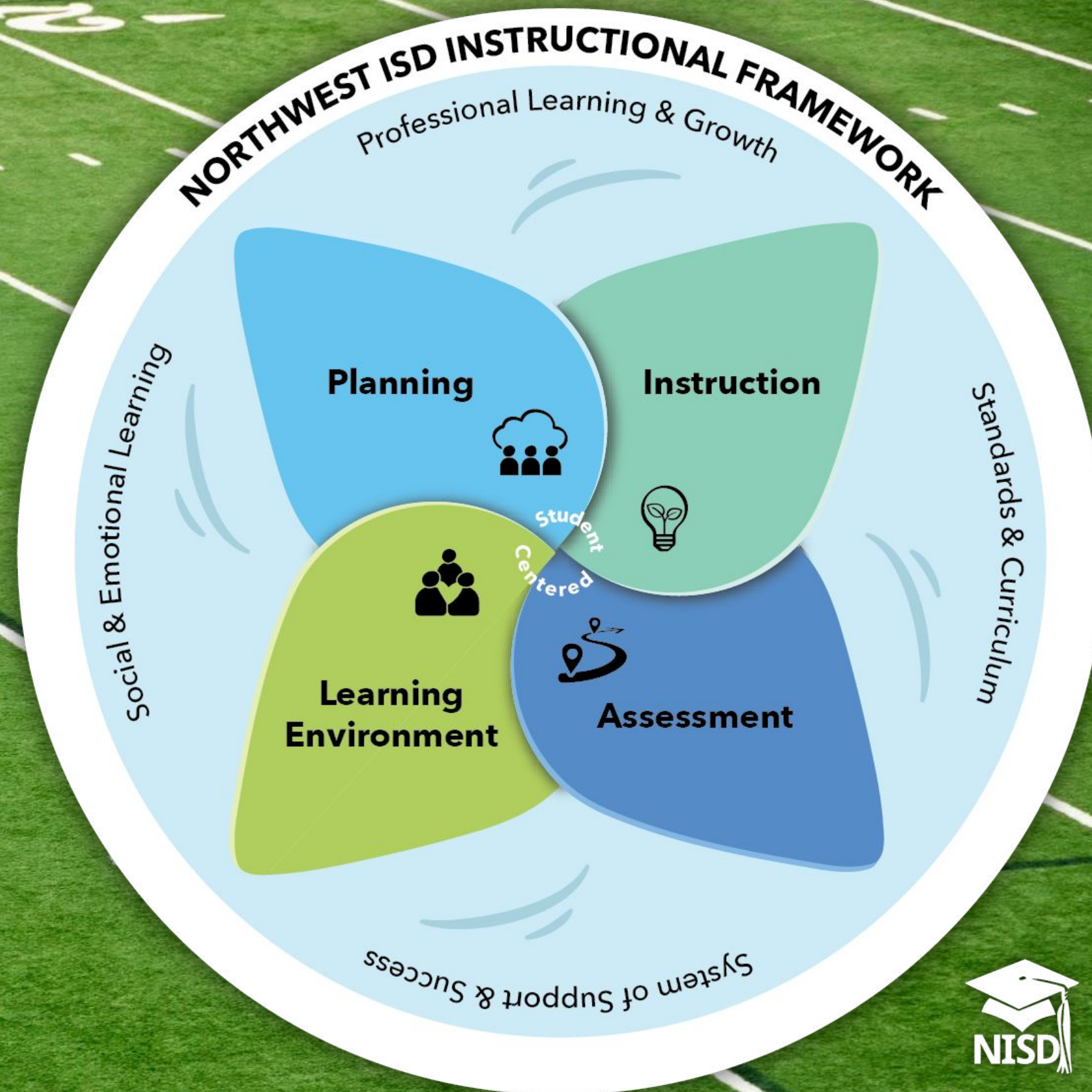
Foundational Elements

- Systems of Support & Success
- Social & Emotional Learning
- Professional Learning & Growth
- Standards & Curriculum

&

Critical Components

- Planning
- Instruction
- Learning Environment
- Assessment



tinyurl.com/IF-Website

Kami Setup

Install Kami Extension

1

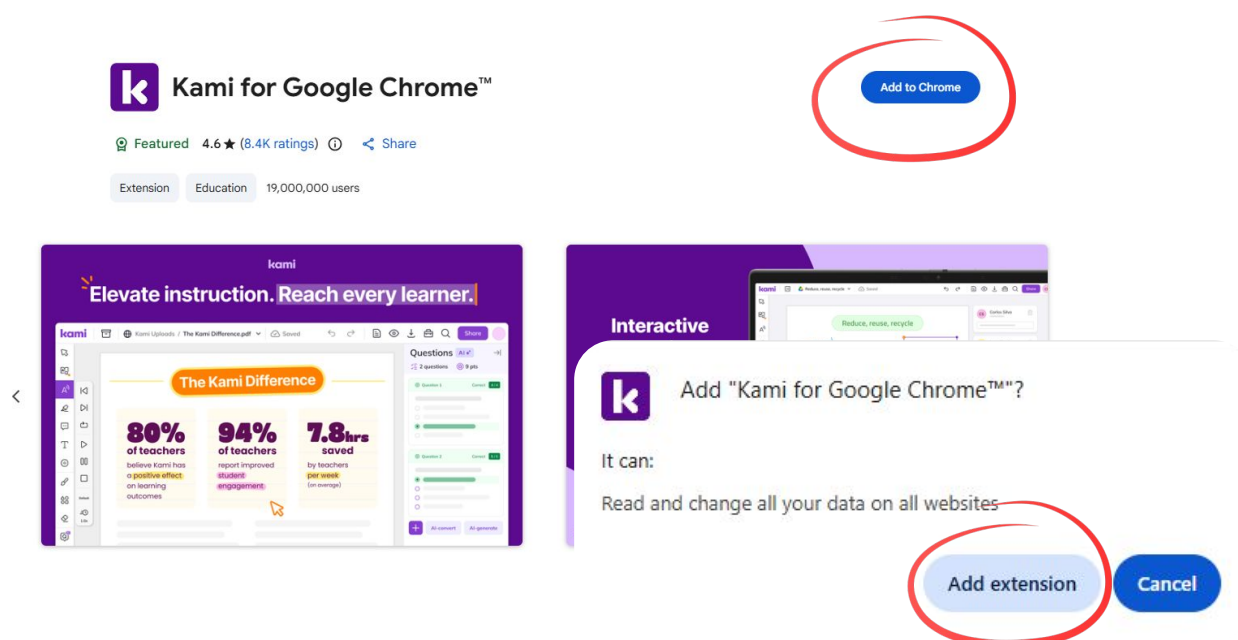
Go to Chrome Web Store
(chromewebstore.google.com)

2

Type *Kami* in the search box at the top

3

Click “Add to Chrome” & “Add Extension”

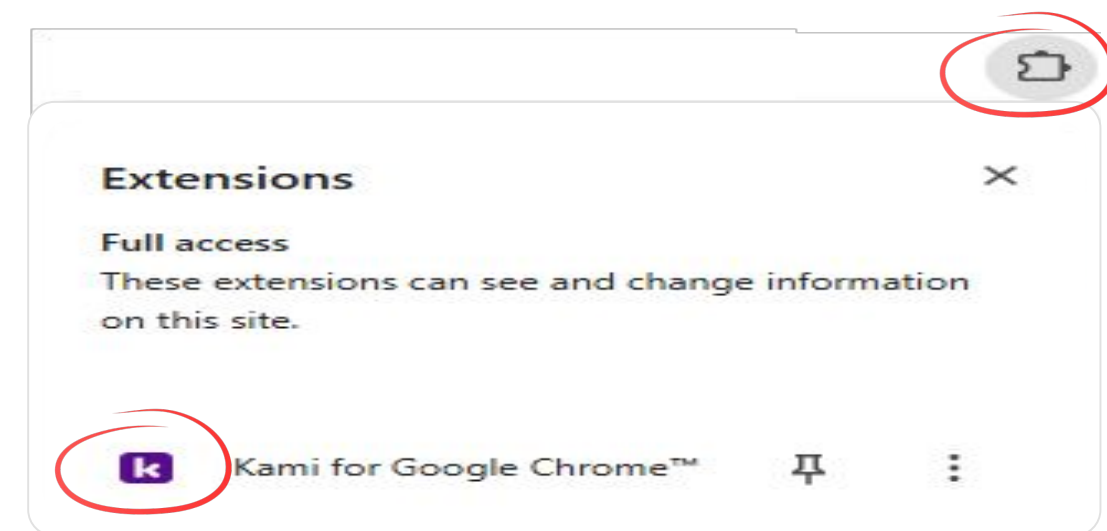


When it says “Remove from Chrome”, it’s installed!

Log into Kami

1

Open Chrome extensions (puzzle piece)
& Click on the Kami icon



2

Log in using your NISD Google account

*When your initials show in the circle
in the top right corner of the Kami screen,
you’re logged in!*

NISD Instructional Framework Breakout: Coaching Edition

Description:

You are an instructional coach in training.

Your mission is to unlock each component of the NISD Instructional Framework <https://tinyurl.com/IF-Website> by analyzing resources and applying your understanding of effective teaching practices.

⚠ Rules

- You must enter the correct code to move forward
- Codes are all UPPER CASE
- Work as a team and cite evidence from the site/documents



Do not start until we say ‘GO!’

**On your mark...
get set...**

GO!

tinyurl.com/IFBBREAKOUT



The Game Plan

01



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as a student

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Discover
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cases

03

Design your
first digital
breakout

A high-angle, perspective view of an American football field. The green grass is marked with white yard lines and numbers. The numbers 10, 20, 30, and 40 are visible, increasing from the top towards the bottom of the frame. The lines recede into the distance, creating a strong sense of depth.

Leveraging AI Tools



Digital Gateway Access Verification Challenge

5 sources · Jul 2, 2026

These educational resources describe the fundamental science of **geology** and the continuous processes of the **rock cycle**. Experts known as **geologists** categorize the earth's crust into three primary groups: **igneous**, **sedimentary**, and **metamorphic** rocks. **Igneous** rocks originate from cooling magma or lava, while **sedimentary** varieties form through the accumulation and compression of organic or mineral fragments. In contrast, **metamorphic** rocks are created when

NISD Instructional Framework Breakout: Coaching Edition

Description



LOCK 1: [?] _

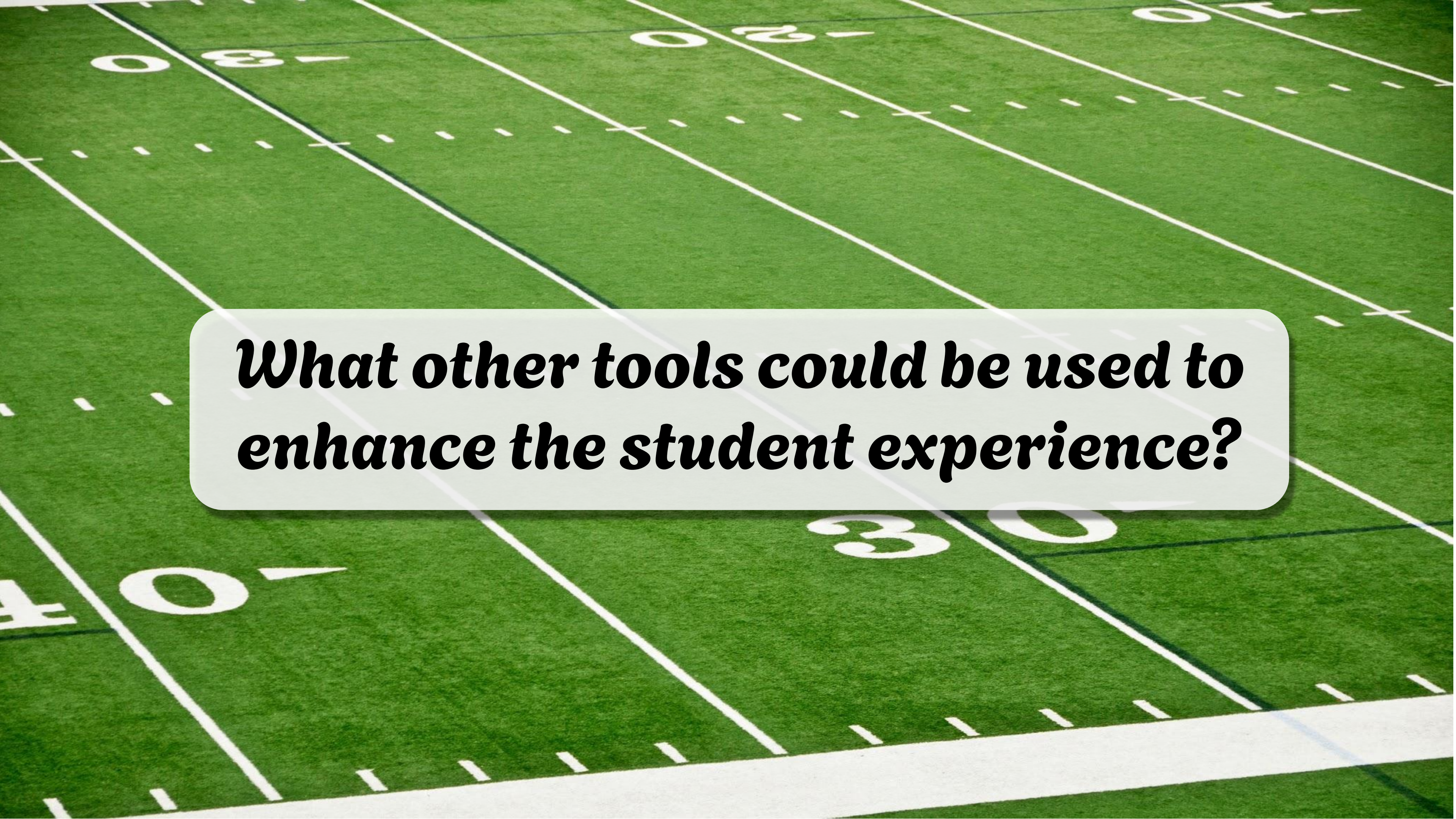
A	M	B	P	F
B	N	C	O	G
C	C	O	A	H
D	O	A	C	I
E	A	C	D	J
F	C	H	E	K
G	H	E	F	L
H	E	F	G	M

SUBMIT CODE

Rules

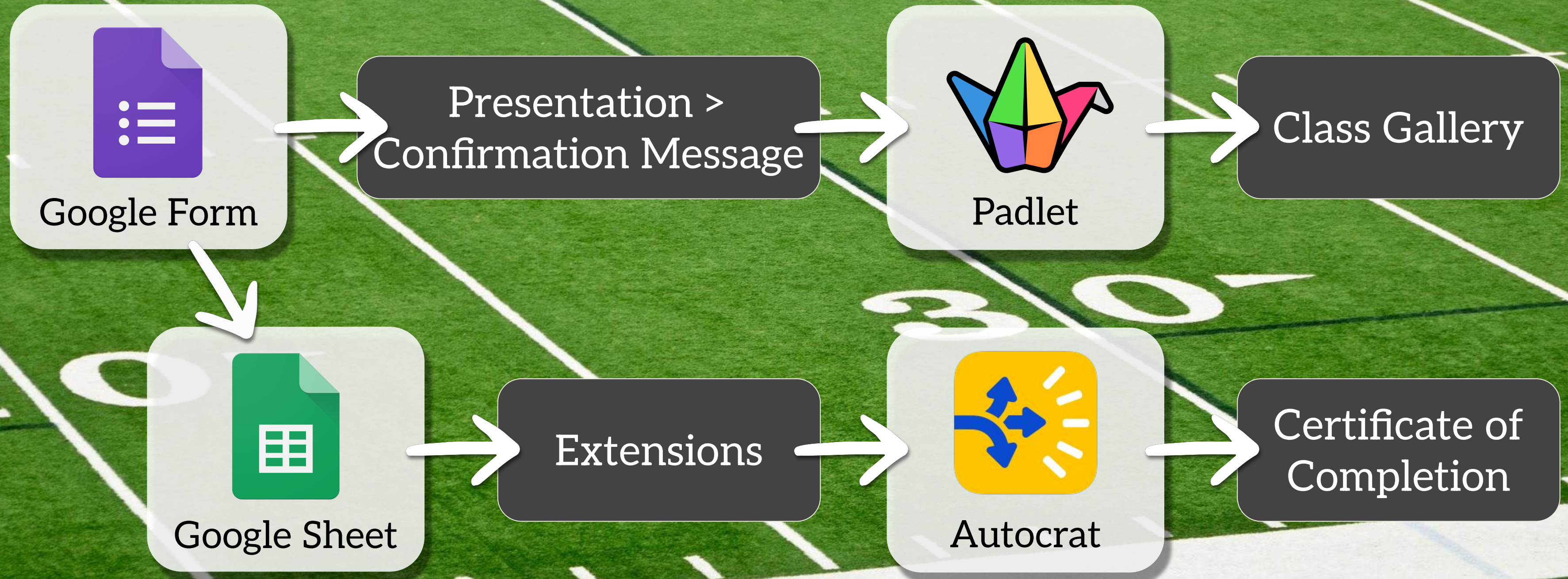
- You must enter the correct code to move forward
- Codes are all UPPER CASE
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What other tools could be used to enhance the student experience?

Do *even more* with a Google Form



A high-angle, perspective view of an American football field. The green grass is marked with white yard lines and numbers. The numbers 10, 20, 30, and 40 are visible, increasing from the top towards the bottom of the frame. The lines and numbers recede into the distance, creating a strong sense of depth.

What about other common tools?

(Other than Google Forms)



Google Sheets

TEKS 7.13(A)

The student is expected to **identify** and model the **main functions of the systems of the human organism**, including the circulatory, respiratory, skeletal, muscular, digestive, urinary, reproductive, integumentary, **nervous**, immune, and endocrine **systems**.

7th Grade Science

The Nervous System



The nervous system controls all your organs and all your physiological and psychological _____.

reactions

🎉 Correct!

The three principal functions of the nervous system are sensory input, _____, and motor output.



Google Slides

TEKS 2.4(C)

The student is expected to **solve** one-step and multi-step **word problems involving addition and subtraction** within 1,000 using a variety of strategies based on place value, including algorithms.

2nd Grade Math

Addition & Subtraction

A vibrant jungle scene with a large tree on the left, a waterfall, and a wooden cage on the right. Several monkeys are depicted: one on a branch, one hanging from a vine, one on a rock near the waterfall, and one peeking from behind a bush. The scene is set in a lush green environment with a blue sky and white clouds.

There were **24** monkeys this morning.
But **15** of them ran out into the park!

**How many monkeys are still
safe inside the cage?**

9 **19** **39**



Canvas

TEKS

113.41(c)(6)(A)

The student is expected to **analyze causes and effects of events and social issues** such as immigration, Social Darwinism, the Scopes Trial, eugenics, race relations, nativism, the Red Scare, **Prohibition**, and the changing role of women.

11th Grade US History

1920s Prohibition



The Secret Green Door

You slip into a dark alleyway behind a bakery in Manhattan. A small wooden slot slides open on a green door.

A voice growls, 'The 18th Amendment just passed, pal. The law says we can't sell the good stuff anymore. If you want inside, you gotta tell me the official name of the type of illegal underground club everyone is flocking to.'

Your answer:

Submit

Not new tools...just new ideas



Google Forms



Google Sheets



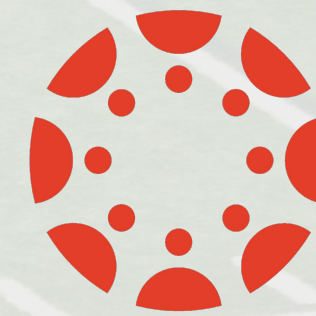
Google Slides



Kami



Padlet



Canvas

The Game Plan

01

Experience
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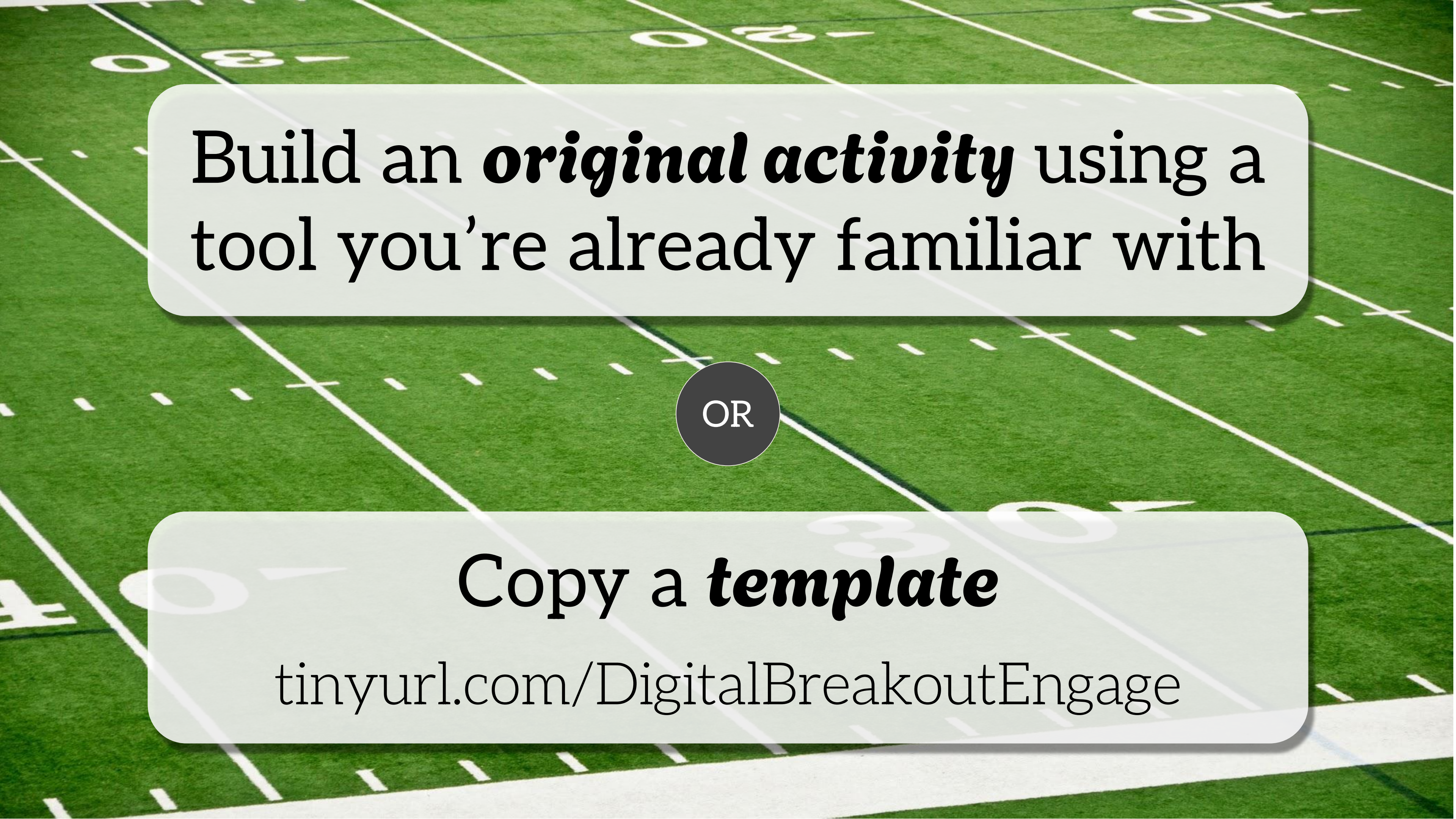
02

Discover
tools and use
cases



03

Design your
first digital
breakout



Build an ***original activity*** using a tool you're already familiar with

OR

Copy a ***template***

tinyurl.com/DigitalBreakoutEngage



Google Forms



kami



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This is a **forced copy** version of the breakout box for you to use in your classroom.

The copy will prompt you to **restore the folder** where the uploaded responses are for you.

Restore it, but then you will need to attach a new folder for your responses to the questions with the upload.

Click here to access the template





Google Sheets

7th Grade Science *The Nervous System*



The nervous system controls all your organs and all your physiological and psychological ____.

reactions

Correct!

The three principal functions of the nervous system are sensory input, _____, and motor output.

This is a **template preview** of the breakout box for you to use in your classroom. Using the template will **create your own copy** of the sheet in your Google Drive.

Hide/delete the “Teacher Notes” before publishing to students.

For students to make their own copy, use the */copy* or */template/preview* link.

Click here to access the template





Google Slides

There were **24** monkeys this morning.
But **15** of them ran out into the park!

**How many monkeys are still
safe inside the cage?**

9

19

39

This is a **template preview** of the breakout box for you to use in your classroom. Using the template will **create your own copy** of the slides in your Google Drive.

Look for the empty boxes (on top of other items) that link to other slides. For students to make their own copy, use the */copy* or */template/preview* link.

Click here to access the template



Your ***Epic Adventure*** Playbook

- ❑ Learning Framework component
- ❑ Core teaching standard (TEKS alignment)
- ❑ Tool you already love (Google Tools, Canvas, etc.)
- ❑ Lock mechanism (codes, fill-in-the-blank)
- ❑ Safety valve (automated hints & validation)
- ❑ Visual theme (immersive graphics)
- ❑ Evidence of learning (minimize guessing)
- ❑ Exciting completion/reward (badges, certificates, etc.)
- ❑ Beta test the build (run through before students do)



Want Attendance Credit?

To receive attendance credit for all sessions, you **MUST FILL OUT THE FEEDBACK FORM** after each session. You can get to the feedback form by using the tinyurl below or scanning the QR code. Please do so within 30 minutes of the session ending. You will receive a copy of your response, so you can make sure you did your survey and to check attendance. **Save this for your records!**

tinyurl.com/ENGAGE26FB

SCAN HERE >

