

# **Teaching for the Future:** Technology & Learning in K-12

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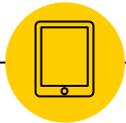
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# Hello!

*I am **Molly B. Zielezinski***

I am here because I believe there is a lot of work to do to prepare students for the future & I have some insights about how technology can help.

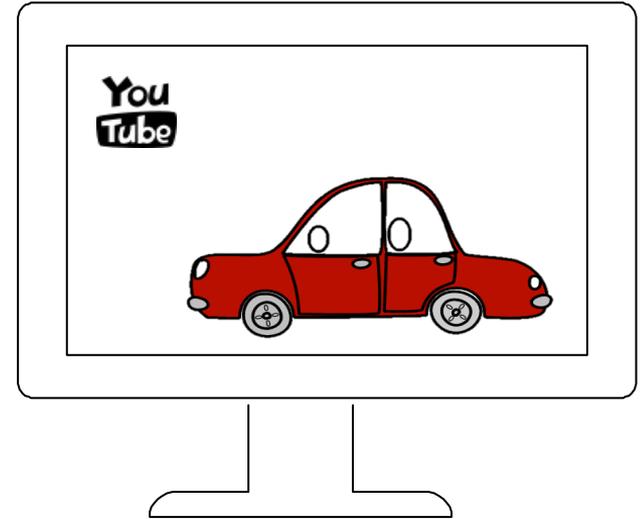
**Technology has  
transformed learning.**





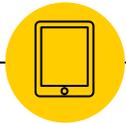
# Learning in the Digital Age

- Interest-driven
- Unstructured
- Accessible





**How can we use technology to support students in K-12?**



# Meaningful Digital Learning Activities

 Content Creation

 Interactivity & Discovery

 Cultural Relevance & Authentic Audience

 Activities & Tools the Promote Higher Order Skills

# Local Learning Context

## Learning objective

*What will the learner know by the end of lesson?  
What will they be able to do?*

## Technology

*Why use this technology?  
How will the features of this tool support the learning objective?*

*Students prior knowledge- content & tech*



## Activity

*What will learner do to achieve the objective?  
What will the learner do with the tech?*

*Quality & reliability of hardware & internet  
Time available for the task  
Teacher background*

# Why use technology?

## The same old stuff

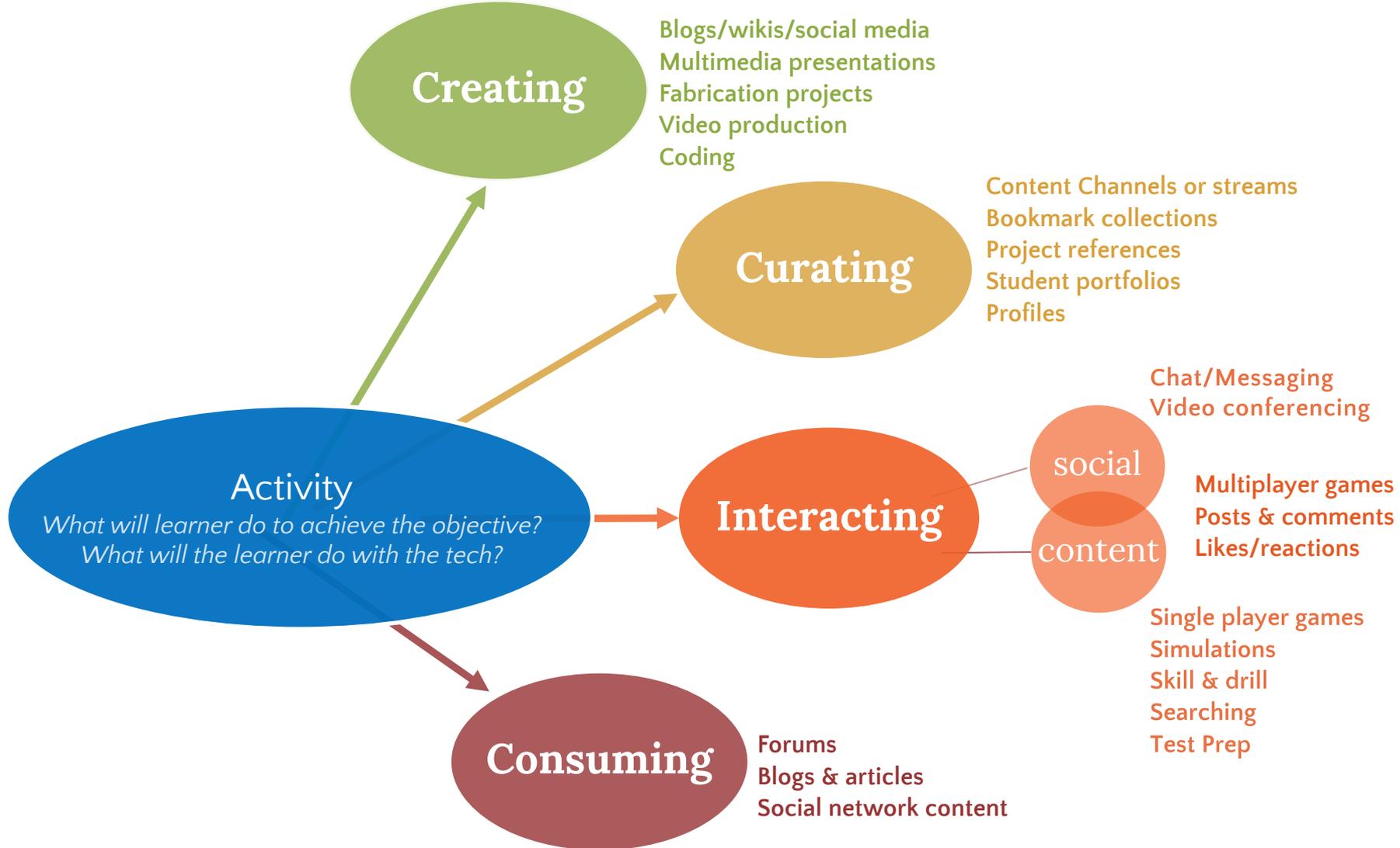
1. To read articles
2. To practice basic skills
3. To memorize facts
4. To assess learners
5. To assign grades
6. To give assignments
7. To arrange resources

## Innovative teaching practices

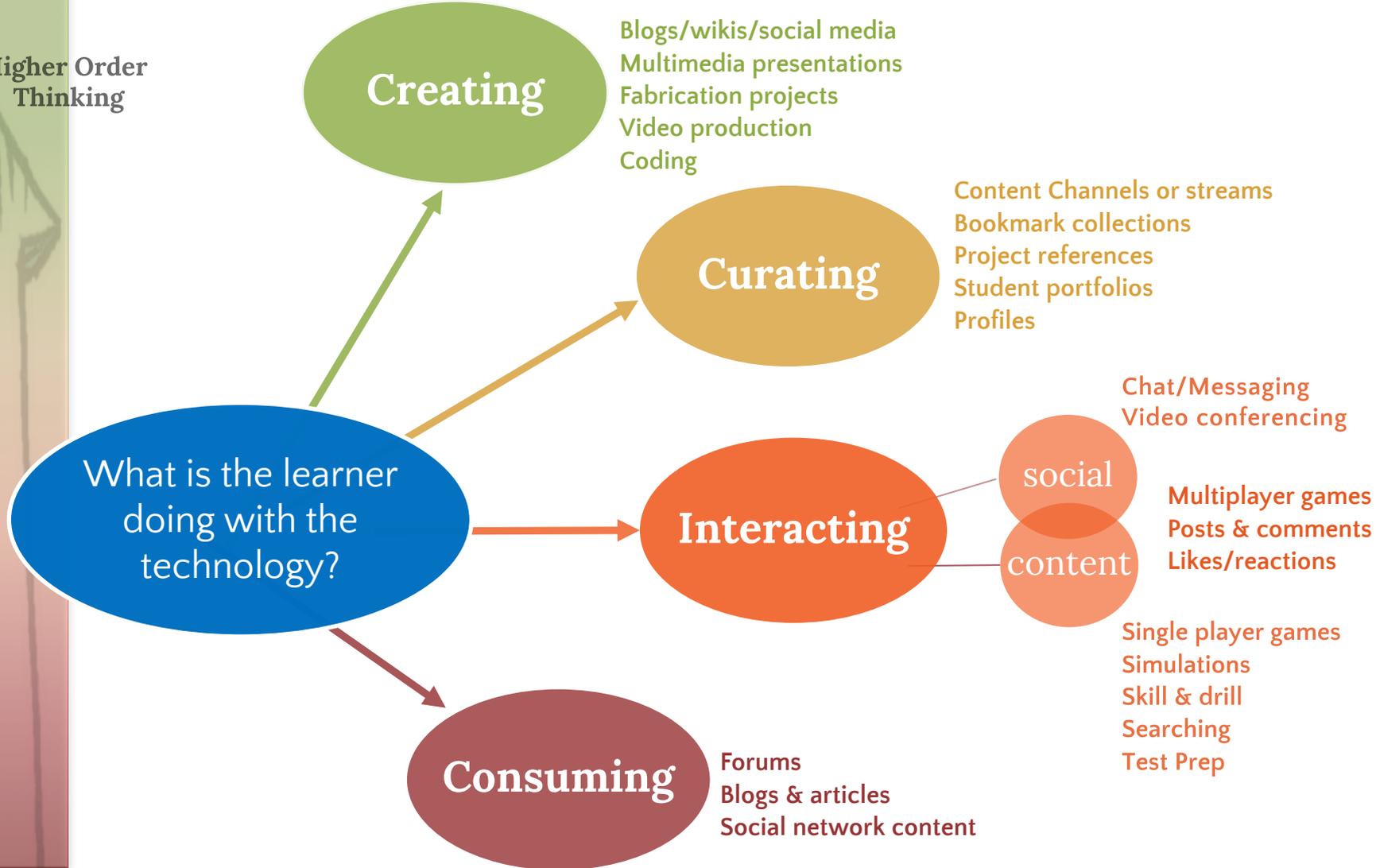
8. To support collaboration
9. To empower learners as content creators
10. To expose learners to a variety of perspectives
11. To prepare learners for a 21<sup>st</sup> century workforce
12. To improve efficiency of feedback and revision
13. To provide multiple access points to new knowledge
14. To offer a variety of representations of content
15. To situate learners within a networked community
16. To become critical consumers of information

## Technology

*Why use this technology?  
How will the features of this tool support the learning objective?*



Higher Order Thinking



# Local Learning Context

## Learning objective

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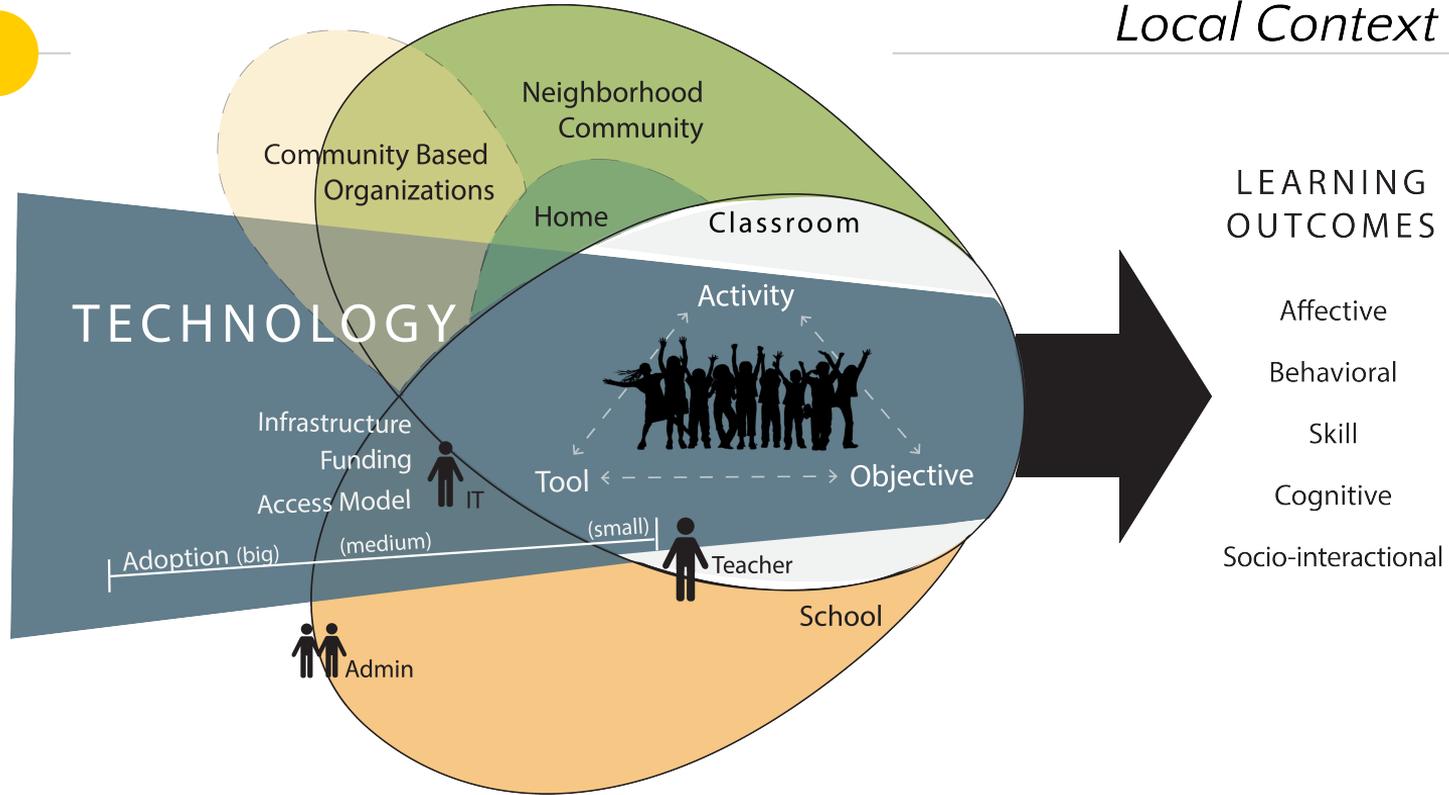
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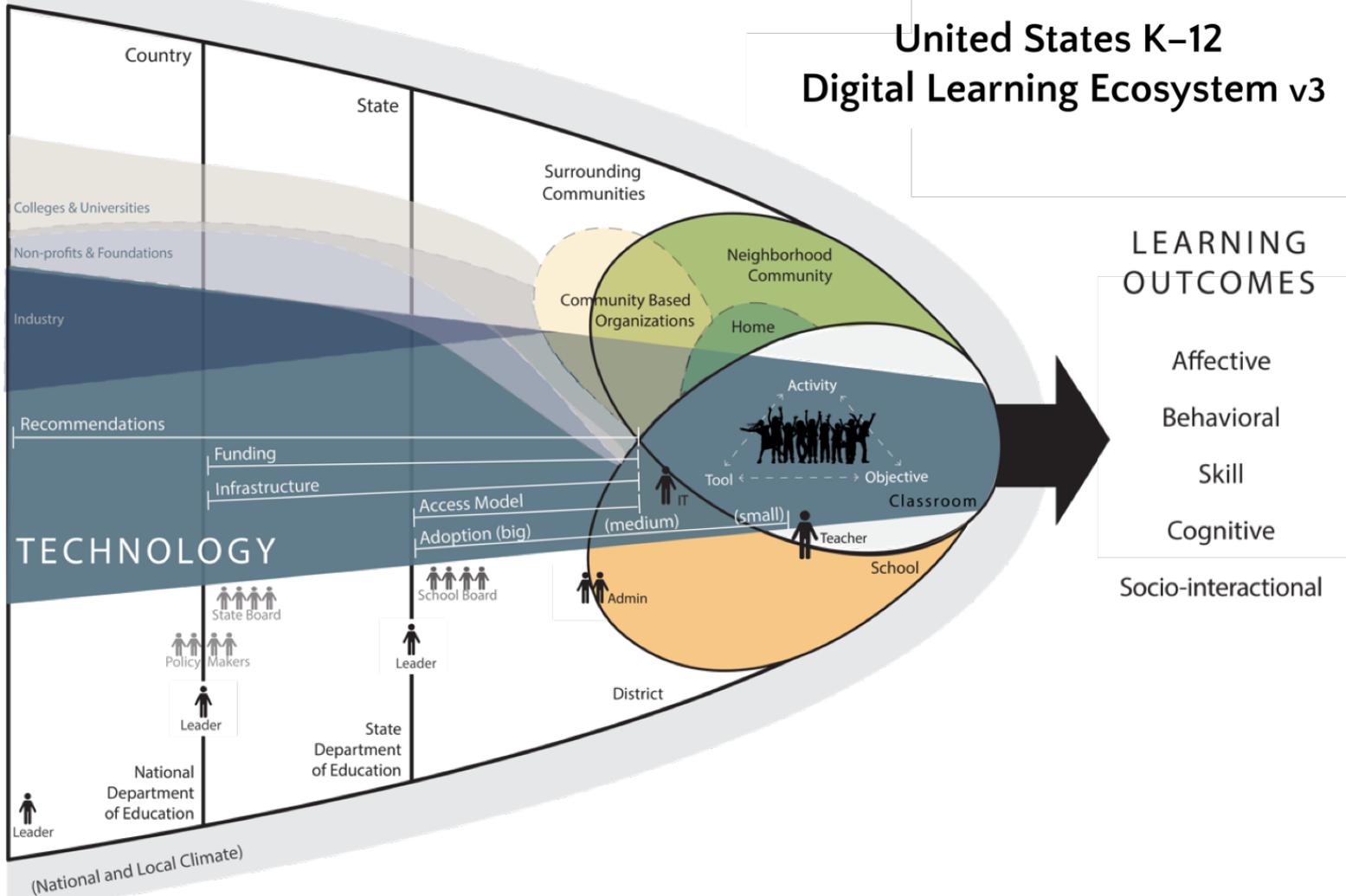
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# K-12 Digital Learning Ecosystem v3

*Local Context*



# United States K-12 Digital Learning Ecosystem v3





# Innovating vs sustaining

What are you doing with your tech?

*Disruptive innovations... offer a new  
definition of what's good.*

Clayton Christensen

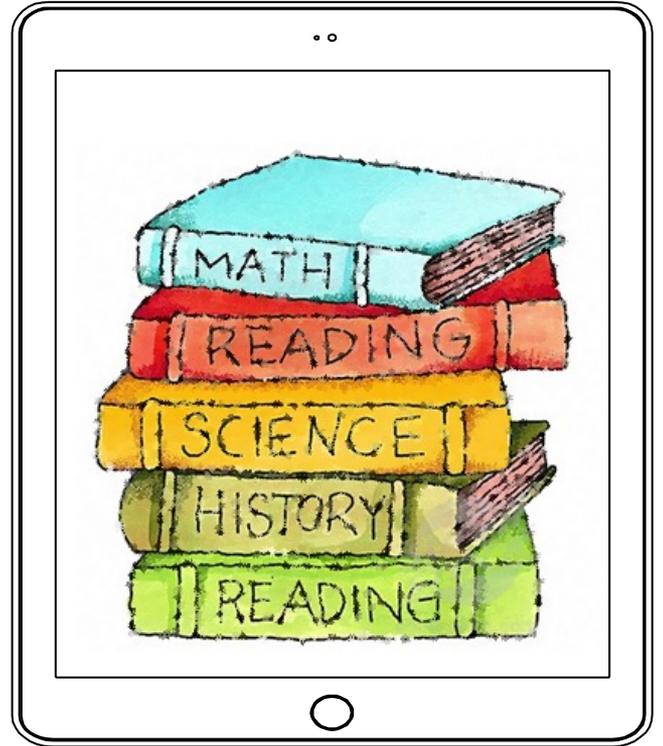


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# Sustaining the **Current Model**

- ◉ Digital skill & drill
- ◉ Ebooks
- ◉ Video lectures
- ◉ Test prep





# Disrupting the Outdated

- Critical consumption
- Digital portfolios
- Content creation
- Collaborative problem solving









# THE FUTURE

65 % of today's youth  
will end up in jobs  
that don't yet exist.





# Questions?

You can find me at

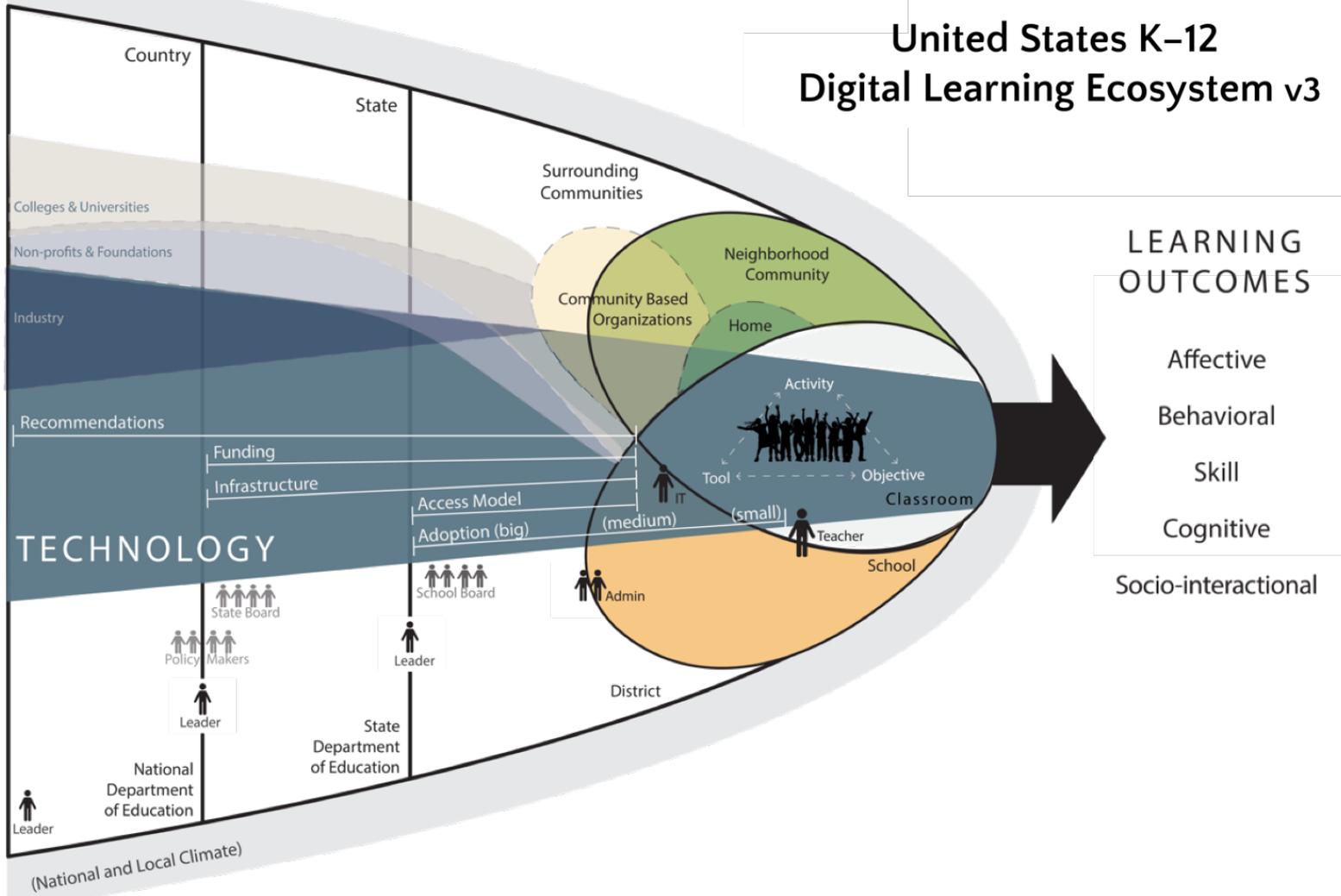
- @MollyBullock
- molly@mbzlabs.com



# Supplementary Content



# United States K-12 Digital Learning Ecosystem v3





# How to spot a Disruptive Technology



Democratize



Enable Participation



Unbound Learning Communities



Support Creativity & Critical Thinking