



Framework for 21st Century Learning

January 2014

Learning and Innovation Skills

Collaboration

To work effectively and respectfully in diverse teams,
share responsibility, work towards a common goal

- ✚ ELA-small groups, vocabulary, rereading, partners in grade 3 to illustrate idioms "cook up a storm"
- ✚ ELA skills-partners, small groups-prefix and suffix, analyzing text, comparing texts
- ✚ Elementary Science-outlines and web charts completed in small groups
- ✚ Book Clubs
- ✚ Mathematics- basic facts drill-partners or small group
- ✚ Service Learning Projects
- ✚ Co-op students with local businesses
- ✚ Social studies-project based learning...Civil War, Native Americans, American Revolutionary War, etc.
- ✚ ELA blanket drive at North Middle School
- ✚ National History Projects at South Middle School
- ✚ CTE Open House
- ✚ Farm Day and Pumpkin Patch (FFA students)
- ✚ What can a passenger tell us? Middle school group activity

Critical Thinking

To reason and analyze, evaluate, draw conclusions, make predictions

- ✚ Kindergarten Assessment- design a structure that makes shade which will allow a space to be cooler
- ✚ Bar Modeling-Math In Focus
- ✚ ELA Journeys- *Dig Deeper, Leveled Readers, Storyworks, Scholastic Magazines*
- ✚ Fifth grade social studies-design a symbol that represents you (American flag and Betsy Ross)
- ✚ Second Grade-three states of matter, hypothesis, experiments
- ✚ Seventh Grade science fair projects ex. Asian Carp
- ✚ Force and motion standards in middle school- constructed a roller coaster using a marble for motion
- ✚ Middle school assessments--authentic, real life problems to solve
- ✚ Open ended questions- extended response
- ✚ Math In Focus Philosophy and structure
- ✚ Project Lead the Way (PLTW)
- ✚ STEM classes at HCHS

Communication

Articulate ideas and thoughts, use communication for variety of purposes, use multiple media and technologies

- ✚ Middle school ELA blogs-new threads are created as students respond to a topic
- ✚ Peer editing and conversations
- ✚ Common core includes specific standards at each grade level for speaking
- ✚ Students participate in morning message, Pledge of Allegiance, news
- ✚ Student led TV broadcast
- ✚ Synergy Assembly- town hall meetings
- ✚ Pair-share together
- ✚ Skype- preschool and kindergarten classes
- ✚ Written essays-community agencies
- ✚ Career day activities-projects, speeches, presentations
- ✚ Class pen pals-one school to another school
- ✚ Middle school band skype 5th graders interested in band
- ✚ Student Ambassadors
- ✚ On demand writing
- ✚ Senior Projects
- ✚ Book Club Reports
- ✚ CTE Open House-table presentations and clubs represented
- ✚ CTE students developing and conducting Career Day at elementary schools

Creativity

Brainstorming, creating new ideas, refine, analyze and evaluate their own ideas to improve

- ✚ Grade 3 writing- design a new suit for Santa
- ✚ K-8-Multiple hands on activities
- ✚ Grade 3 Science-complete the outline of a life cycle
- ✚ Grade 2 Social Studies-needs and wants, creating a T-chart
- ✚ Questioning techniques and conversations
- ✚ District GT Program
- ✚ Choir and band programs
- ✚ Glee Club
- ✚ Letters written to Veterans at middle school level
- ✚ Project Lead the Way (PLTW) classes at middle school
- ✚ Drama Clubs
- ✚ Science-inquiry and investigations
- ✚ New science common core standards
- ✚ Cartoon analysis and creation
- ✚ Middle School- Character Recipe

Teacher:

Questioning Placemat

Technique Single question vs multiple question
3-5 second wait time
No or limited call-outs
A pattern for calling on all students was Evident (to ensure all students were engaged)
Pacing of discussion
NOTES:

Comments:

Knowledge		Comprehension		Application		Analysis		Synthesis		Evaluation	
describe	list	explain	interpret	solve	show	analyze	examine	create	invent	judge	select
state	name	predict	discuss	Classify	use	contrast	compare	construct	predict	debate	argue
	recall		relate		illustrate		explain		propose		assess
	locate										
What happened...? Who...?		What do you think could happen next?		Could this have happened in...?		Can you distinguish between?		Can you design a ... to ...?		Is there a better solution to...?	
How many...? Can you name...?		What was the main idea?		Can you group by characteristics?		How was this similar to...?		Can you see a possible solution to..?		Can you defend your position?	
In what year...?		What differences exist between...?		From information given, develop a...?		Can you explain how...?		What would happen if...?		How would you have handled...?	
Find the meaning of...?		Give an example of...		What questions would you ask?		Why did...changes occur?		How many ways can you...?		What changes would you recommend?	
Make a list of events. Make a facts chart. Recite a poem. List all the...in the story. Make a timeline of events.		Illustrate what you think was the main idea. Retell the story in your own words. Write a summary report of... Prepare a flow chart to show ...		Make a diorama Construct a model Design a market strategy Paint a mural Make a puzzle using the ideas from text		Write a commercial to sell a new product Write a biography Conduct an Investigation Design a survey Review a work of art (form, color)		Invent a machine to do a task Create a new product Make up a new language code Design a record, book, or...		Prepare a list of criteria to judge... Conduct a debate about... Make a booklet about rules Prepare a case to present your view	