

			Name:
Word Definition		Voca	abulary Sketches
Draw It Use	: it	Word:Sketch	Definition: Teacher's Notebook.com
Word		Word:	Definition:
Definition			Sentence:
Draw It Use	it	Word:	Definition:
			Sentence:
Eukaryotic cell Organelle Cytoplasm Nuclear envelope Chromatin Chromosome	<ul> <li>Nucleolus</li> <li>Ribosome</li> <li>Endoplasmi</li> <li>Gogli appar</li> <li>Lysosome</li> <li>Vacuole</li> </ul>	c reticulum	Mitochondrion Chloroplast Cytoskeleton Centriole

- Eukaryotic cell
- Organelle
- Cytoplasm
- Nuclear envelopeChromatin
- Chromosome

- Nucleolus
- Ribosome
- Endoplasmic reticulum
- Gogli apparatus
- Lysosome
- Vacuole

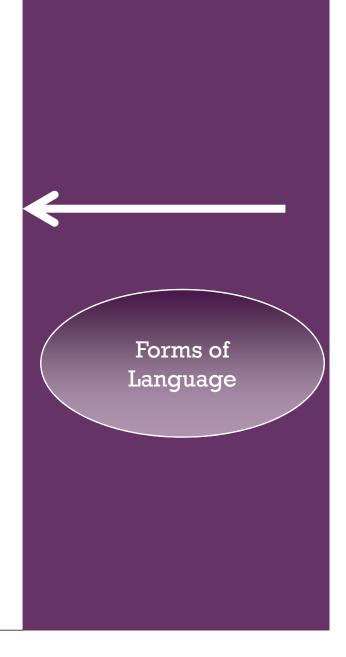
- Mitochondrion
- Chloroplast
- CytoskeletonCentriole

Term	
Definition	
Characteristics	Illustration
	-
Examples	

#### Planning Instruction for ELLs in Integrated Content Area Classes

Background Knowledge to Build	
Academic Vocabulary to Develop	
Forms of Language (Grammar) to Practice	
Text Structure to Support (Discourse Structure)	
Reading Skills and Strategies to Practice	
Map/Graphic Skills to Practice	
Communicative Functions Expected (Bilingual Progressions; with Differentiation for ELLs of Varied Proficiency Levels)	

Based on Access to Academics: Planning Instruction for K-12 Classrooms with ELLs (Egbert + Ernst-Slavit, 2011, Pearson)



## + Forms of Language

#### Stock Market Crash

- Irregular past tense verbs (rose, ran, bought, fell, sold, stuck, lost, burst, spent, withdrew, went)
- Time clauses (by 1928, in early September 1929, On October 24....)
- Other introductory clauses (Though..., although.... In reality,....)
- Modifiers (panicked investors, career politician, utmost confidence, prosperous economy, average American, etc.)

#### **Cell Structures and Functions**

- Passive voice (are known as, which is found, is shown in, is called, is spread, is passed, are assembled, are synthesized, are made, are attached, are involved)
- Adverbs (newly made, see patterns clearly)
- Introductory clauses (in the same way, in some respects)
- Prepositions/Prepositional phrases (throughout, to and from)

## + modifiers

- Panicked investors
- Career politician
- Overwhelming victory
- Utmost confidence
- Economic health/law
- Public office
- Prosperous economy

- Average Americans
- Quick profit
- Small percentage
- Frantically sell
- Shrewd investor

### + modifiers

- Specialized organs
- Major parts
- Hereditary information;
  - **Genetic information**
- Dense region
- Coded instructions
- Nuclear envelope; nuclear pores
- Steady stream

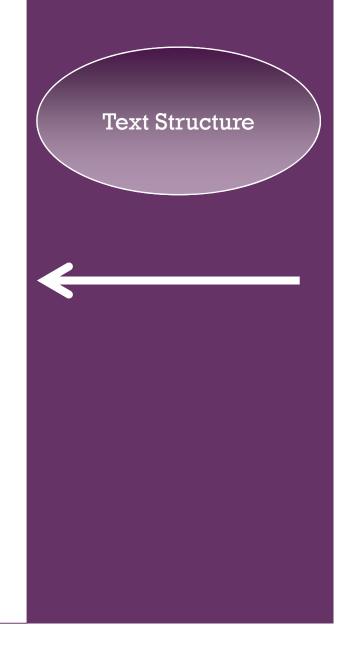
- Granular material
- Threadlike structures
- Internal membrane system
- Specialized tasks
- Serious human diseases
- Saclike structures
- Large central vacuole
- Outer/Inner membrane



#### Planning Instruction for ELLs in Integrated Content Area Classes

Background Knowledge to Build	
Academic Vocabulary to Develop	
Forms of Language (Grammar) to Practice	
Text Structure to Support (Discourse Structure)	
Reading Skills and Strategies to Practice	
Map/Graphic Skills to Practice	
Communication Francisco Francisco I	
Communicative Functions Expected (Bilingual Progressions; with	
Differentiation for ELLs of Varied Proficiency Levels)	

Based on Access to Academics: Planning Instruction for K-12 Classrooms with ELLs (Egbert + Ernst-Slavit, 2011, Pearson)



## **TEXT STRUCTURE**

Chronological (Time Sequence) Cause/Effect Problem/Solution Description Enumeration Comparison/Contrast



Stock Market Crash

**Cell Structure and Functions** 

- Chronological/Tim e Sequence
- Definitions in Text

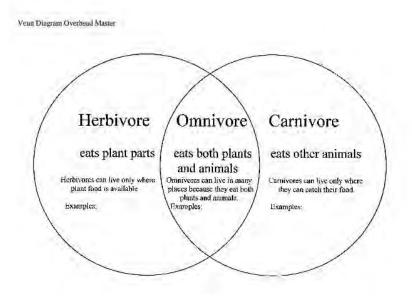
- Enumeration
- Description
- Definitions

## + Graphic Organizers for Note Taking

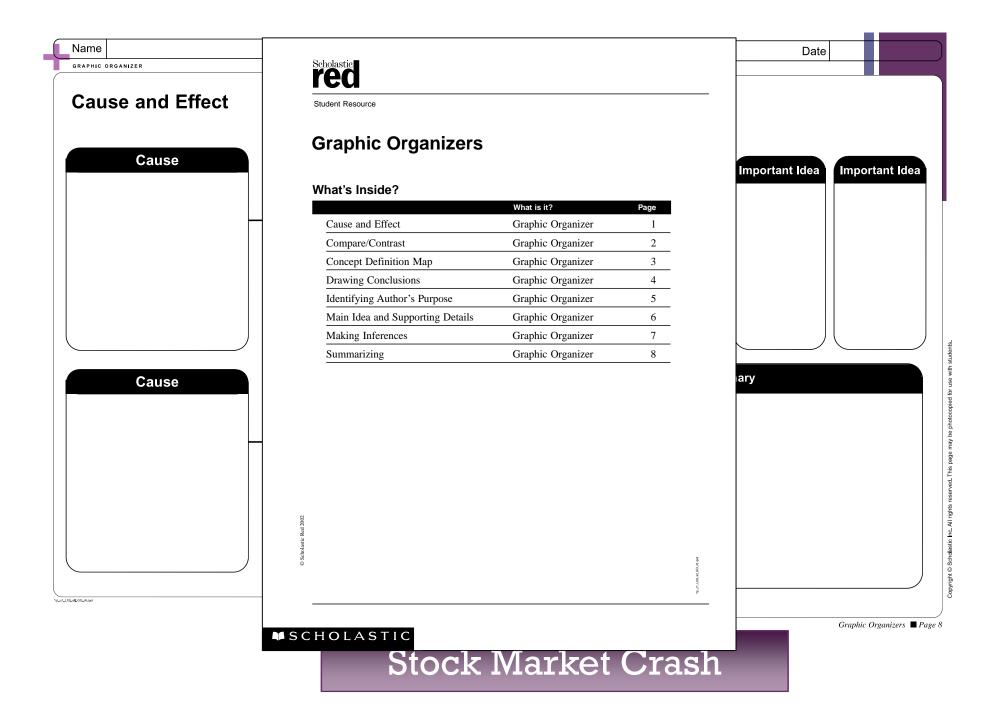
Analyze the text structure

Choose a graphic organizer that matches the text structure

Provide models and demonstrations



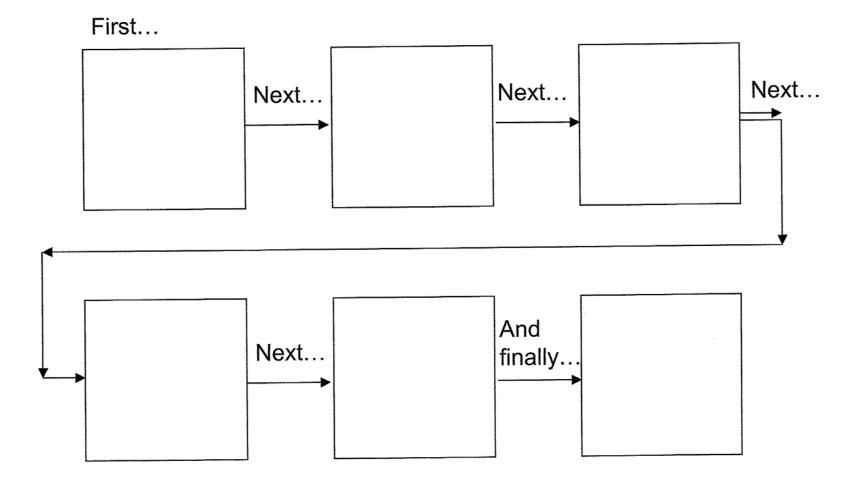
Compare student products

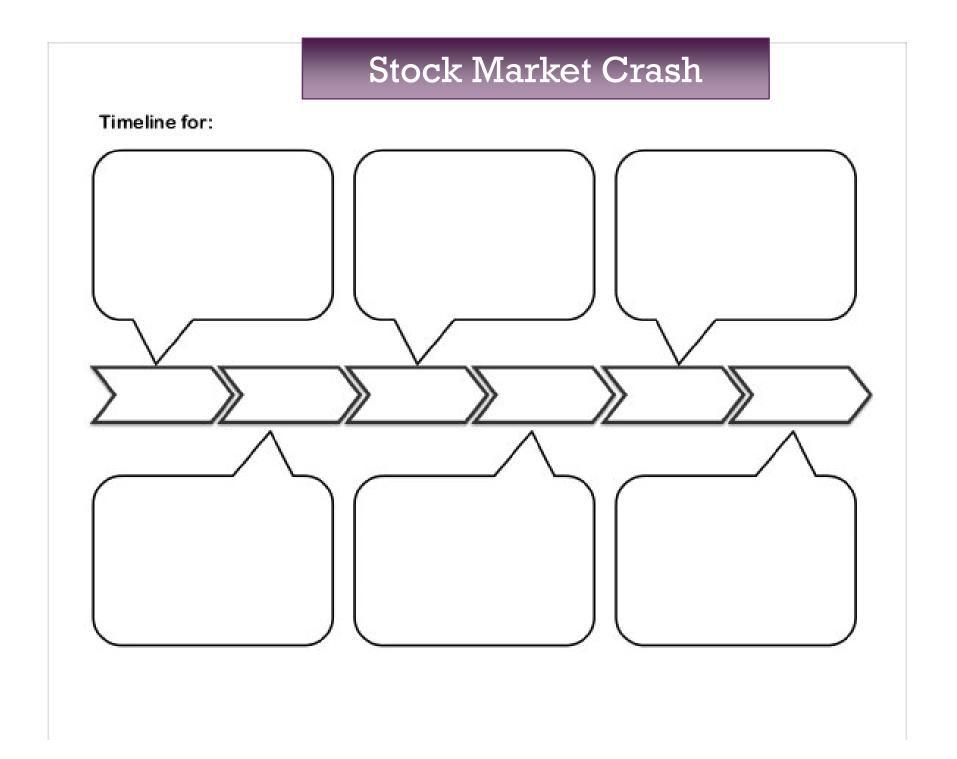


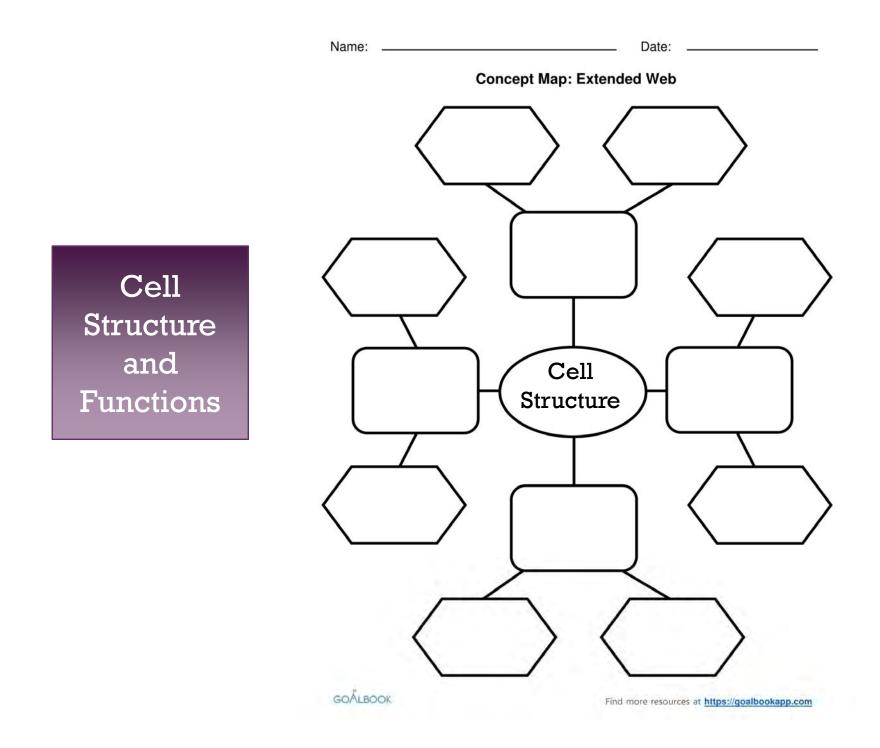


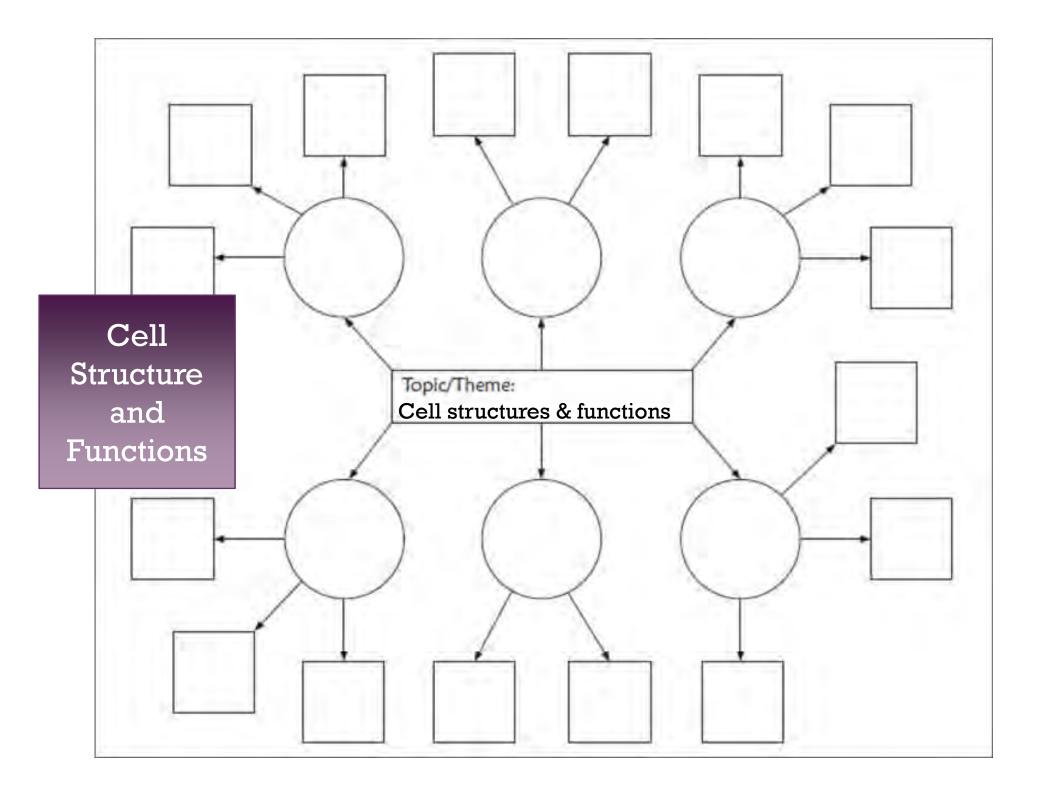
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#### Sequence Chart









Note Taking Template:

Cell Structure	Function(s)
1.	
2.	
3.	
4.	
5.	
6.	
7.	
8.	
9.	
10.	
11.	
12.	
13.	
14.	
15.	
Summary:	

Cell Structure and Functions

#### Planning Instruction for ELLs in Integrated Content Area Classes

	T
Background Knowledge to Build	
Academic Vocabulary to Develop	
Academic vocabulary to Develop	
Forms of Language (Grammar) to	
Practice	
1100000	
Text Structure to Support (Discourse	
Structure)	
Reading Skills and Strategies to Practice	
Reading Skins and Strategies to Fractice	
Map/Graphic Skills to Practice	
Communicative Europtions Errorsta	
Communicative Functions Expected	
(Bilingual Progressions; with	
Differentiation for ELLs of Varied	
Proficiency Levels)	

Based on Access to Academics: Planning Instruction for K-12 Classrooms with ELLs (Egbert + Ernst-Slavit, 2011, Pearson)



# Reading Comprehension Strategies

#### Stock Market Crash

- Summarizing as you go
- Taking notes as you read;
   Determine importance
- Ask Questions
- Using Text Features (bolding; Glossing Re: Main Ideas)
- Reading Headings and Subheadings
- Reading Pull-Out Boxes, Captions

#### **Cell Structures & Functions**

- Re-reading difficult or dense text
- Taking notes as you read
- Monitor comprehension
- Visualize
- Reading Headings and Subheadings
- Using Text Features (bolding; "key" symbols)

#### Planning Instruction for ELLs in Integrated Content Area Classes

Background Knowledge to Build	
Academic Vocabulary to Develop	
Forms of Language (Grammar) to Practice	
Text Structure to Support (Discourse Structure)	
Reading Skills and Strategies to Practice	
Reading Skins and Strategies to Fractice	
Map/Graphic Skills to Practice	
Communicative Functions Expected	
(Bilingual Progressions; with Differentiation for ELLs of Varied Proficiency Levels)	

Based on Access to Academics: Planning Instruction for K-12 Classrooms with ELLs (Egbert + Ernst-Slavit, 2011, Pearson)

Map/Graph Skills

## + Map/Graph Skills

#### Stock Market Crash

- Timelines (with insets)
- Photographs
- Political buttons
- Political cartoons
- Line Graphs

#### **Cell Structures and Functions**

- Photographs
- Magnified Images
- Diagrams (Labeled Diagrams)
- Captions
- Explanations of Figures

#### Thinking Like a Scientist

#### Measuring

When you take a picture with a camera, you end up with a photograph. When scientists take a picture of what they see with a microscope, the result is a micrograph.

When you see a micrograph in a book or magazine, how do you

know the size of the original object? The secret is to look for a measurement-the micrograph's magnification. For example, the micrograph below shows bacteria found on a kitchen cutting board. Printed beside the image is x5,000. That's the magnification. It means that in this micrograph, the bacteria are 5,000 times (the x stands for "times") their actual size.



#### wooden cutting board x5.000

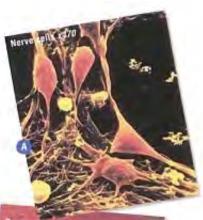
#### Practice the Skill

Now that you know the magnification "code," study the micrographs of the cells pictured at right. Then use what you've learned about micro-measuring to answer the questions.

- 1. What is the magnification of each micrograph?
- 2. Which cell or type of cell has been magnified the most? The least?
- 3. Which cell or type of cell is the smallest in real life?

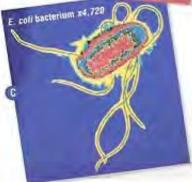
#### Check It Out

Suppose you have permission to photocopy the picture of the Paramecium, and you enlarge it to twice its size. Would the magnification of x110 still be correct? Explain.



Paraimec





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#### Planning Instruction for ELLs in Integrated Content Area Classes

Background Knowledge to Build	
Academic Vocabulary to Develop	
Formo of Language (Cramman) to	
Forms of Language (Grammar) to Practice	
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Based on Access to Academics: Planning Instruction for K-12 Classrooms with ELLs (Egbert + Ernst-Slavit, 2011, Pearson)

#### Communicative Functions

## Major Communicative Functions

#### Stock Market Crash

- State, tell, retell
- Describe
- Sequence events
- Explain causes and effects
- Explain the relationship between the stock market crash, bank failures and unemployment

#### **Cell Structures and Functions**

- Describe the function of....
- Describe the role of...
- Name functions of.....
- Compare a cell to a factory
- Compare an animal cell to a plant cell
- Define.....
- Identify/Label

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Communicative Functions (Bilingual Progressions) and Differentiating Instruction in your Integrated ENL Classroom

## ENL Progressions Differentiated Instruction

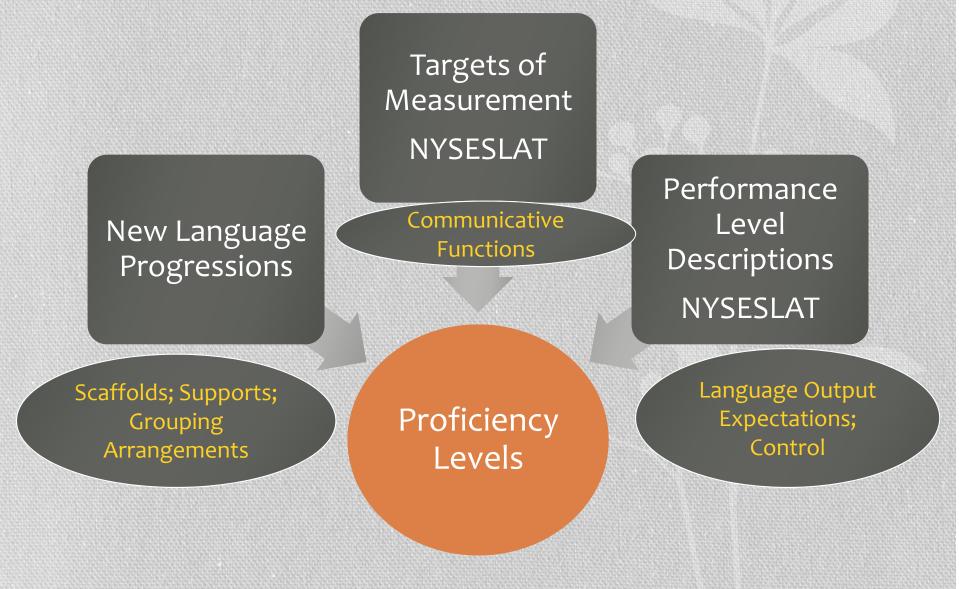


Let's Unpack the **Performance Level Descriptions** for Listening, Speaking, Reading and Writing, the **ToMs** and The **New Language Progression** Documents



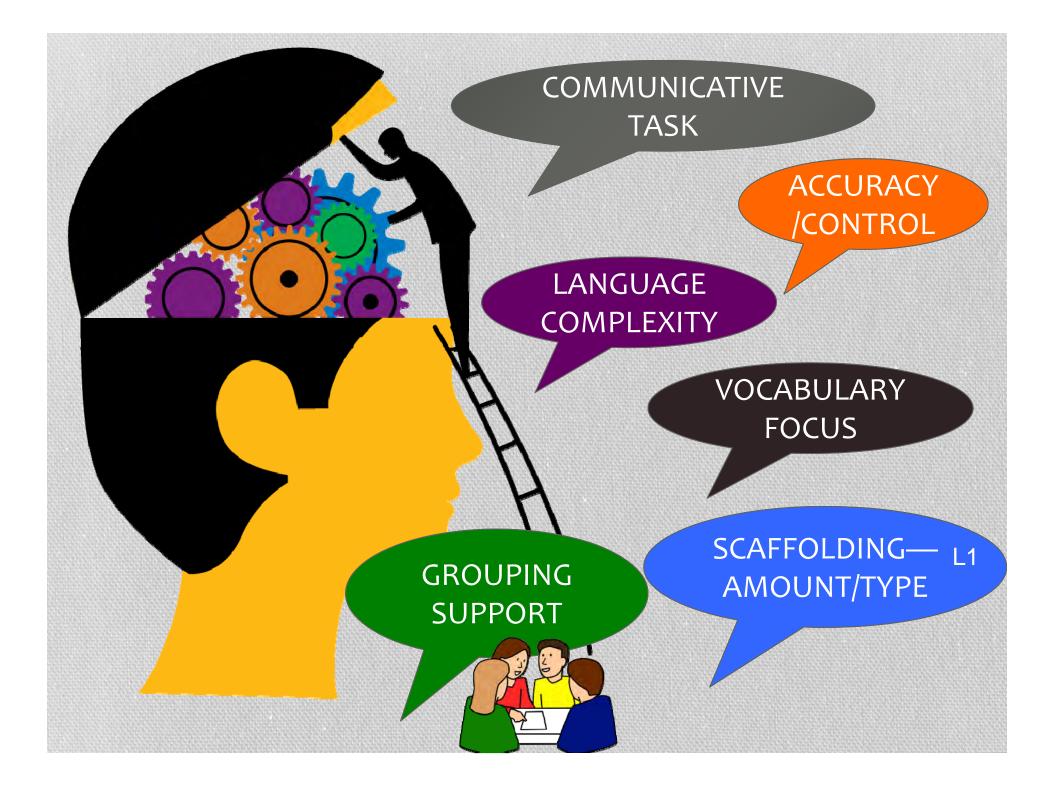
What Do They Tell Us About What Students at Each Proficiency Level Can/Should Be Asked to Do ?

## Understanding the 5 Proficiency Levels



## Dimensions of Performance:

- Communicative task—What the student is asked to do/performance task (identify, determine, organize, evaluate, integrate information/ideas)
- Linguistic Complexity/Language Expectation- the amount and nature of spoken or written output expected; coherence/cohesion of ideas, sentence types (few words, short phrases, predictable sentences, simple sentences, expanded, complex or variety of sentence types)
- Level of Accuracy/Language Control (*expressive*): numerous-to frequent,-to occasional-to infrequent errors; errors totally-mostly-partially-minimally obscure meaning
- Level of Support: Substantial, moderate, limited, high level of independence, no support
- Type of Support/Scaffolds: use of instructional strategies or tools used to assist students in accessing content necessary for classroom understanding or communication and to help construct meaning from language (e.g. graphic organizers, pre-taught, pre-identified words and phrases), L1/L2
- Teaching Arrangements: read alouds, partnerships, teacher-led, small groups, whole class, independent learning arrangements
- Vocabulary the amount of and precision of words or phrases expected; Focus onTier 1, 2 (3) words (few, some, many)



## NYS Proficiency Definitions



READ LISTEN VIEW

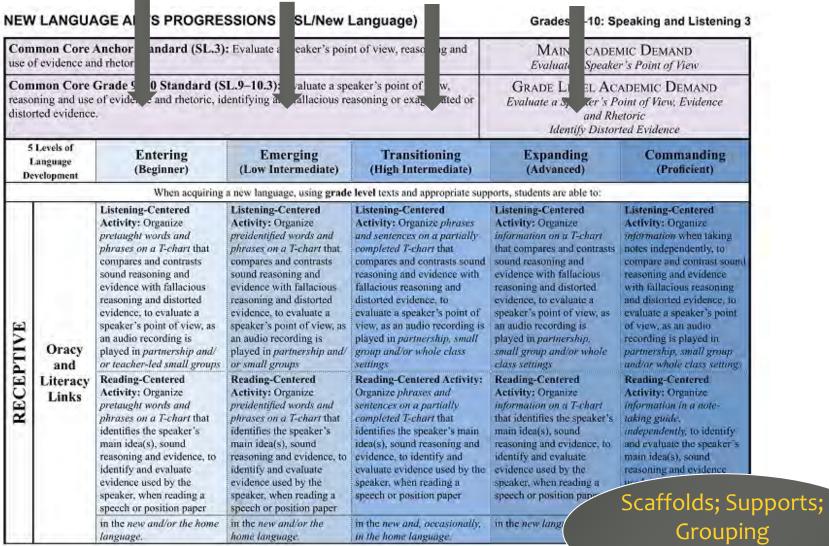


## Receptive

## Expressive

2016	SISTENI GBer	formani %evel	Descrip ions%		ectations; Control
GENERALSCLAIM%% Students%an%letermine% Information%n%radeRevel% spoken%liscourse.%	Entering(	Emerging(	Transitioning(	Expanding(	Commanding(
Anchor(1( Students(can(identify(key(narrative) elements(and(tentral/ideas(in(gradeGevel) spoken(discourse.( Target(of(Measurement(1) Students(can(identify(words,(phrases,(or) sentences(that(signal%mportant%spects%f% individuals%r%vents,%laims%r% counterclaims,%vidence,%nultiple%oints% of%iew,%hetorical%evices,%ind/or%he% message%r%heme%)(gradeGevel(spoken) discourse.(	Student(may, (with) substantial (support, (dentify) a(few(words, (short(phrases, ) or/predictable(sentences), that (signal Simportant% aspects% (Findividuals% r% events, % aims% r% counterclaims, % vidence, % multiple% ioints% f% iew, % rhetorical% evices, % ind/or% the% nessage% r% heme% i gradeGevel(spoken) discourse.(	Student(can, (with (moderate) support, (identify(some) words, (phrases, (or(a) few) simple(sentences)(that) signal Simportant Supports Sif% individuals SirSevents, % claims SirS	Student(can,/with(limited) support.(identify(most) phrases,(simple(sentences, ( or)a(few(expanded)or) complex(sentences)(that) signal%mportant%spects%0% individuals%r%vents,% claims%r%vents,% claims%r%venterclaims,% evidence,%nultiple%oints% of%iew,%hetorical%evices,% and/or%he%nessage%r% theme%igrade@evil spoken(discourse.(	Student(can(identify)most( simple(or(some(expanded( or(complex(sentences(that) signal%mportant%spects%)% individuals%r%vents,% claims%r%ounterclaims,% evidence,%nultiple%oints% of%iew,%netoricat%evices,% and/or%ne%nessage%r% theme%i/gradeGevel( sooken(discourse.) {	Student(can(identify[a] variety[of(simple.( expanded, (or(complex( sentences(that)signal% important@spects%f% individuals@r@vents,% claims%r@vunterclaims,% evidence,%nultiple%oints% of%iew,%hetorical%evices,% and/or%hetmessage%r% theme%ingrade@evel( spoken[discourse.( (
Anchor(2) Students(can(identify(words, (phrases, (and) sentences(used(to(elaborate(on(and) connect(ideas(in(gradeGever(spoken) discourse.) Target(of(Measurement(2) Students(can(identify(words, (phrases, (on) sentences(that(signal%r%covery%ey%etails,% sequence, %onnections, %elationships,% conclusions, %end/or%nteractions(that( develop(or(refine(gradeGevel(spoken) discourse.)	Studentimay.(with) substantial(support,iidentiiy) a(few(words,ishort)phrases,) or(predictable)sentences) that(signal%r%onvey%ey% details,%equence,% connections,%elationships,% conclusions,% conclusions,% elationships,% conclusions,% elationships,% conclusions,% elationships,% conclusions,% elationships,% ela	Studentican, (with (moderate( support. (identify (some) words. (phrases. (or (a) (few) simple(sentences) (hat) signal % 'sonvey' Sey% détails, % equence, % connections, % elationships, % conclusions, % ind/or% interactions (ihat(develop(or( refine) grade Gevel (spoken) discourse.)	Student(can, (with(limited) support, fidentily(most) phrases, (simple(sentences, l or(a)(lew(expanded)or( complex(sentences, l)) signal%r%onvey%ey% details, %equence, % connections, %elationships, % connections, %elationships, % connections, %elationships, % interactions(that(develop(or( refine(gradeGevel(spoken)) discourse.)	Student(can(identify(most) simple(or/some(expanded) or/complex(sentences(that) signal%r%onvey%ey% details,%equence,% connections,%elationships,% conclusions,%ind/or% interactions(that(develop(or( refine(gradeGevel(spoken) discourse.) {	Studenticanijdentifyjaj varietyjof(simple,) expanded, jor(complex) sentences(that signal%r% convey%ey%letails,% sequence,%onnections,% relationships,%onclusions,% and/or%nteractions(that) develop or[refine gradeG level(spoken(discourse.) (
Anchor(3) students(can(determine)the(meaning(of) vocabulary[in]grade@evel(spoken(discourse) Target(of(Measurement(3) Students(can(determine)the%teral,% figurative,%rt%onnotative%teaning%f%ier% 1 Mnd%ier%tocabulary,%ncluding%he% cumulative%teaning%f%ords%ind%heases,% and%heir%impact%igrade@evel(spoken) discourse.%	spoken(discol f W	eaking ading riting	Student(can(determine) most2if2he?Bteral2ind'3% few?bf?he?Bgurativn'3r's connotative?breanings?bf( Ties(12ind?Ster25words?bf) including?bre?burnulative?s meaning?bf?words?bind?s phrases,jand?bie??impact( intgrade@evel(spoken) discourse.{	Student(can(determine) most/%F2he%iteral%ind% some%f%he%iteral%ind% connotative%moaning%fi Tier%%ind%ier%2%ords%ind% meaning%f%words%ind% phrases,iand%heir%mpact( in[gradeclevel(spoken) discourse.(	Student (can(determine) most % Pithe % teral, % figurative, % r%onnotative % meanings % (Tier% % and % Kier% 2% ords, % nduding % he% cumulative % noaning % f% words % nd % hrases, (and % their % mpact (intgrade Gevel) sinken (discourse.)

### New Language Progressions-Listening



Grouping Arrangements enges

Draft

NLAP Speaking and Listening (SL) SL.3: SL.9-10.3

## **Support Examples**



Graphic Supports	Interactive Supports	
<ul> <li>Charts</li> <li>Graphic organizers</li> <li>Tables</li> <li>Graphs</li> <li>Timelines</li> <li>Number lines</li> </ul>	<ul> <li>In pairs or partners</li> <li>In triads or small groups</li> <li>In a whole group</li> <li>Using cooperative group structures</li> <li>With the Internet (Web sites) or software programs</li> <li>In the native language (L1)</li> <li>With mentors</li> </ul>	
	<ul> <li>Charts</li> <li>Graphic organizers</li> <li>Tables</li> <li>Graphs</li> <li>Timelines</li> </ul>	

WIDA Consortium

Intro to WIDA ELD Standards 35

## Targets of Measurement: Writing

Communicative

Functions

Claim	Anchor	Target of Measurement	Language Purpose/Function/Characteristics
GENERAL CLAIM 1 Students can structure thoughts and ideas in writing.	<b>ANCHOR 1</b> Students can create and structure a written text.	TOM.W.9–12.1 Students can use grade-appropriate language to orient the reader, logically organize and connect ideas, and provide closure in a written text.	<b>produce:</b> a clear introduction or orientation ideas presented and connected in an organized manner concluding words or phrases
<b>GENERAL CLAIM 2</b> Students can write about literary and informational	<b>ANCHOR 2</b> Students can adapt vocabulary appropriately when writing.	TOM.W.9–12.2 Students can use grade-appropriate words and phrases, including grade-level Tier 2 and Tier 3 words, to precisely describe detailed ideas and facts in a written text.	provide or describe: an individual, an event, a place, or an idea precisely precise, relevant details precise, relevant facts, claims, or evidence grade-level Tier 2 and Tier 3 words to explain ideas, claims, or evidence
	<b>ANCHOR 3</b> Students can create a narrative written text.	TOM.W.9–12.3 Students can use grade-appropriate language to provide or refer to multiple characters, well-chosen details, sequenced events, and closure to develop a narrative text.	establish or develop: narrative elements (a narrator, characters, setting, events, situation) well-chosen descriptive details to create precise images a well-sequenced, cohesive narrative closure to a narrative
texts and topics.	<b>ANCHOR 4</b> Students can create an informational written text.	TOM.W.9–12.4 Students can use grade-appropriate language to provide precise, well- chosen, cohesive claims and evidence; a variety of support; and closure to develop an informational text.	<ul> <li>produce or develop:</li> <li>a topic with claims and evidence</li> <li>well-chosen evidence (facts and details) to support a claim or an opinion</li> <li>logical transitions and connections between ideas to create cohesion</li> <li>closure to a topic</li> </ul>

#### How do language expectations change for Listening?

determine ...

Listening (9-12)

grate...narrative elements, key details, characteristics, facts, descriptors, claims, evidence, ..., solution; cause/effect, argument and support, theme or message; provide information;

	Proficiency	Language	Vocabulary Targets	Type of Support	Teaching	Level of Support
	Levels	Expectations	, 0	Scaffolds	Arrangements	
		Identify a few words	Determine the literal	Organize pre-taught	Read aloud	Substantial support
		Short phrases	meaning of some Tier 1	words in a main idea	Partnerships	
	Entering	Predictable	words and their impact	web	Teacher-led groups	
		sentences (that *		In new or home		
	Some ToMs don't apply	signai/rejer o		language		
		to/convey	that 🥩			
		information, a		1		
		claim, evidence, a				
		message, theme, key detail, sequence,				
		connections,				
		relationships,				
		conclusions. opinion				
		and reasons)				
		Identify some words,	Determine the literal	Organize pre-identified	Read Aloud	Moderate Support
		phrases	meaning of some Tier 1	words in main idea web	Partnerships	
	Emerging	Few simple	and a few Tier 2 words	In new or home	Teacher-led groups	
		sentences (that)	and their impact	language		
		Identify most	Determine most of the	Organize phrases and	Read Aloud	Limited Support
		phrases, simple	literal and a few of the	sentences on partially	Partnerships	
	Transitioning	sentences and a few	figurative or	completed main idea	Teacher-led groups	
		expanded or	connotative meanings	web	Whole class	
		complex sentences	of Tier 1 and Tier 2	In new or home		
		(that)	words and phrases and	language		
		Identify most simple	their impact Determine most of the	Complete a main idea	Small group	Largely Independent
		or some expanded	literal and some of the	complete a main idea web	Small group Whole class	Lurgely Independent
	Expanding	or complex	figurative or connote-	web In new language	After teacher modeling	
	Lypanang	sentences (that)	tive meanings of Tier 1	In new language	The teacher mouening	
		sentences (enacing	and 2 words and			
			phrases an their impact			
		Identify a variety of	Determine most of the	Create or complete a	Small group	No Support Needed
		simple, expanded	literal, figurative or	main idea web	Whole class	
	Commanding	and complex	connotative meanings	In new language	Individually	
	-	sentences (that)	of Tier 1 and 2 words			
V			and phrases and their			
			impact			
	* Shaded columns come from the Progressions; Rest from the Performance Level Descriptions and Targets of Measurement					

targets change for Reading (9-12)								
and refer to information, key details, point of view, a claim, evidence								
	Reading?				, ,			
Proficiency	Language	Vocabulary Targets	Type of Support	Teaching	Level of Support			
<b>Entering</b> Anchor 4 and 5 don't apply to Entering involve text structures	A few words Short phrases Predictable sentences that <u>indicate, signal,</u> <u>refer to information,</u> <u>a claim, evidence, a</u>	Determine the literal meaning of some Tier 1 words and their impact in text	Organize pre-taught words in a main idea web; graphic organizer In new or home language	Read aloud Partnerships Teacher-led groups	Substantial support			
Emerging	message, theme, etc. Some words, phrases Few simple sentences that	Determine the literal meaning of some Tier 1 and a few Tier 2 words and their impact in text	Organize pre-identified words in main idea web; graphic organizer In new or home lang.	Read Aloud Partnerships Small groups	Moderate Support			
Transitioning	Most phrases, simple sentences and a few expanded or complex sentences that	Determine most of the literal and a few of the figurative or connotative meanings of Tier 1 and Tier 2 words and phrases and their impact in text; use context clues & textual information to determine meaning	Organize phrases and sentences on partially completed main idea web; graphic organizer In new or home language	Read Aloud Partnerships Small groups Whole class	Limited Support			
Expanding	Most simple or some expanded or complex sentences that	Determine most of the literal and some of the figurative or connota- tive meanings of Tier 1 & 2 words and phrases and their impact in text; use imagery to find meaning	Organize main idea and supportive details after teacher modeling; with a glossary In new language	Partnership Small group Whole Class	Largely Independent			
Commanding	A variety of simple, expanded and complex sentences that	Determine most of the literal, figurative or connotative meanings of Tier 1 & 2 words and phrases and their impact in text	Organize information on a note taking guide In new language	Partnership Small Group Whole Class Individually	No Support Needed			



#### Speaking (9-12)

## **Communicative Function:** contributes to a conversation, conveys relevant details, describes phenomena, contributes to a conversation/discussion, paraphrases inform main points in a coherent manner, expresses an opinion or claim supported by reasons, constitutions analyzes a topic or evaluates evidence

## How do the scaffolds and supports change for

	nalvzes a tonic or evalua	T	V l l	Trans of Course out	Translations	Level of Course out
Proficiency Levels	Language Expectations	Errors	Vocabulary Targets	Type of Support Scaffolds	Teaching Arrangements	Level of Support
<b>Entering</b> Some ToMs not applicable	Uses a few words Short phrases Predictable sentences	Response may contain errors that totally obscure meaning	Use common Tier 1 and grade level Tier 2 words and short phrases	Use sentence starters with or without graphics; New and home language	Partnerships Teacher-led groups	Substantial support
Emerging	Uses phrases and simple sentences	Response may contain errors in words and structure that mostly obscure meaning	Use words and short phrases including common grade level Tier 2 words; Describe ideas and facts	Use sentence starters with or without graphics; New and home language	Partnerships Small groups Whole class	Moderate Support
Transitioning	Uses simple sentences and expanded sentences	Response may contain errors in words and structure that partially obscure meaning	Use words and phrases including a few grade level Tier 2 & 3 words; Describe detailed ideas and facts	Use word bank; graphics New and home language	Partnerships Small groups Whole class	Limited Support
Expanding	Uses simple, expanded or complex sentences	Response may contain some errors in words and structure that minimally obscure meaning	Use words and phrases including some grade level Tier 2 & 3 words; Describe detailed ideas and facts	Use previously completed graphic organizer, T chart New language	Partnerships Small Groups Whole Class	Largely Independent
Commanding	Uses a variety of simple, expanded and complex sentences and fluid language	Response contains few or no errors in word choice and structure that obscure meaning	Use words and phrases including grade level Tier 2 and 3 words; Offer precisely detailed descriptions	Use knowledge of the topic or text independently; New language	Small groups Whole class	No Support Needed

\* Shaded columns come from the Progressions; Rest from the Performance Level Descriptions and Targets of Measurement

How do language expectations, errors, organization, vocabulary change for Writing?

provide an orientation or an idea; express opinions, sequence, describe, detail ideas, express, facts, provide closure, explain, develop a narrative; development of claims and evidence;

_	Proficiency Levels	Language Expectations	Errors	Organization	Vocabulary Targets	Type of Support Scaffolds	Teaching Arrangements	Level of Support
	<b>Entering</b> Some ToMs not applicable	A few words Short phrases Predictable sentences	Writing includes numerous errors; errors may totally obscure meaning	Writing lacks orientation, organized or connected ideas or closure; lacks development	Use common Tier 1 and grade level Tier 2 words and short phrases; Give ideas and facts	Structure thoughts and ideas; Cloze paragraph New or home language	Partnerships Teacher-led groups	Substantial support
	Emerging	Some words, phrases Few simple sentences	Writing includes frequent errors; errors may obscure meaning	Writing includes basic orientation, organized or connected ideas or closure; basic development	Use words and short phrases including common grade level Tier 2 words; Describe ideas and facts	Write one to two paragraphs; New or home language	Partnerships Small groups	Moderate Support
	Transitioning	Most phrases, simple sentences and a few expanded or complex sentences	Writing includes frequent errors; errors may obscure meaning	Writing includes limited orientation, logically organized or connected ideas, and/or closure; limited development	Use words and phrases including a few grade level Tier 2 & 3 words; Describe detailed ideas and facts	Use a word bank or graphic organizer to write a short essay; New or home language	Partnerships Small groups Whole class	Limited Support
	Expanding	Most simple or some expanded or complex sentences	Writing includes occasional errors; errors do not obscure meaning	Writing includes partial orientation, logically organized and connected ideas and closure, partial development	Include some grade level Tier 2 & 3 words; Describe detailed ideas and facts	Use a teacher- provided model and graphic organizers to write an essay; New language	Partnerships Small groups	Largely Independent
	Commanding	A variety of simple, expanded and complex sentences	Writing includes infrequent errors; errors do not obscure meaning	Writing includes sufficient orientation, logically organized and connected ideas and closure	Use words and phrases including grade level Tier 2 & 3 words; Give precisely detailed descriptions	Use knowledge of the topic independently to write a multiple- page essay; New language	Partnerships Small groups Independently	No Support Needed

Writing (9-12)

Have Same Charts for Grades 5-6

Nancy Cloud, Ed.D., 2016; Nancycloud2@gmail.com

## What Did You Notice: Planning for a Multi-Level Class

Level 1	Level 2	Level 3	Level 4	Level 5	Fully Englis Proficient
Language-ваsed Expectations:	Language-Based Expectations:	Laņguage-Based Expectations:	Language-Baseo Expectations:	Language-Based Expectations:	Language-Base Expectations:
Scaffolding and Support:	Scaffolding and Support:	tandards-Based Content of Scaffolding and Support:	or Topic (from the curricu Scaffolding and Support:	lum): Scaffolding and Support:	Scaffolding and Support:
		÷			

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## Scaffolding

## Figure 3G: Examples of Sensory, Graphic and Interactive Supports

Sensory Supports	Graphic Supports	Interactive Supports
<ul> <li>Real-life objects (realia)</li> <li>Manipulatives</li> <li>Pictures &amp; photographs</li> <li>Illustrations, diagrams &amp; drawings</li> <li>Magazines &amp; newspapers</li> <li>Physical activities</li> <li>Videos &amp; Films</li> <li>Broadcasts</li> <li>Models &amp; figures</li> </ul>	<ul> <li>Charts</li> <li>Graphic organizers</li> <li>Tables</li> <li>Graphs</li> <li>Timelines</li> <li>Number lines</li> </ul>	<ul> <li>In pairs or partners</li> <li>In triads or small groups</li> <li>In a whole group</li> <li>Using cooperative group structures</li> <li>With the Internet (Web sites) or software programs</li> <li>In the native language (L1)</li> <li>With mentors</li> </ul>

# Tie Instruction to City and State Standards





# New York City 9–12

## Social Studies Scope & Sequence

2014-2015





# **11** Grade Eleven: United States History and Government

UNIT 1: Forming a Union: Colonial and Constitutional Foundations (1607 – ca. 1800)	UNIT 2: Expansion, Nationalism, and Sectionalism (1800 – 1865)	UNIT 3: Post-Civil War America Industrialization, Urbanization and the Progressive Movement (1865 – ca. 1900)	UNIT 4: Prosperity and Depression: At Home and Abroad (ca. 1890 – 1941)	UNIT 5: World War II and the Cold War (1935 – 1990)	UNIT 6: Social and Economic Change: Domestic Issues (1945 – present)	UNIT 7: The United States and Globalization (1990 – present)
SEPTEMBER - OCTOBER	NOVEMBER	DECEMBER - JANUARY	FEBRUARY — MID-MARCH	MID-MARCH — APRIL	MAY	JUNE
Essential Question: What are American foundations for liberty and freedom?	Essential Question: Was the Civil War inevitable?	Essential Question: How was America's response to the challenges of growth & progress aligned to its ideals of democracy?	Essential Question: How does a nation balance its own needs and interests with that of other nations?	Essential Question: To what extent have America's responses to foreign policy challenges been successful?	Essential Question: Is there one America or many?	Essential Question: Is the United States moving toward or away from its foundational ideals?
Inquiries	Inquiries	Inquiries	Inquiries	Inquiries	Inquiries	Inquiries
<ol> <li>How did Native Americans of the Atlantic coast resist European settlement?</li> <li>How did the geographic location of colonial cities influence their development?</li> <li>What demographic forces contributed to the emergence of slavery?</li> <li>What factors led English men and women to move to the 13 colonies? What factors led the Irish to move (or be deported) to the 13 colonies? What factors led the Dutch to immigrate to Colonial NY, NJ, and DE?</li> <li>Was the Declaration of Independence a revolutionary document?</li> <li>What role did compromise play in creating the U.S. Constitution? cort</li> </ol>	<ol> <li>Would the Civil War have occurred without the invention of the Cotton Gin? Why or Why not?</li> <li>Why did legislative compromises dealing with slavery and expansion fail to avoid a constitutional crisis?</li> <li>Was the treatment of Native Americans by the U.S. government inconsistent with fundamental American values?</li> <li>In what ways was the United States becoming a nation of two economic systems during 1800-1861?</li> </ol>	<ol> <li>How did Reconstruction affect the lives of all southerners?</li> <li>Should Reconstruction be considered a success or failure?</li> <li>Did Westward Expansion nurture or restrict democracy? For Native Americans? For slaves? For the environment?</li> <li>How did the Industrial Revolution transform American society?</li> <li>What were the greatest challenges that immigrants faced in the United States?</li> <li>What political, social, and economic problems led to the demand for reforms?</li> </ol>	<ol> <li>What were the economic, political and social causes of American imperialism?</li> <li>Did the United States become an empire in the years 1890-1940? Why or Why not?</li> <li>How did WWI and WWII benefit the U.S. economy?</li> <li>What important social changes took place in America during and after WWI?</li> <li>Why was the KKK able to become a national organization during the 1920s?</li> <li>Which groups suffered the most from the Stock Market Crash of 1929 and the Great Depression? Why? Did the New Deal alleviate their suffering? cont</li> </ol>	<ol> <li>Are some wars more just than others? How and Why?</li> <li>What was the rationale for wartime internment of Americans? Could another wartime internment occur today? Why or Why not?</li> <li>What factors led to the Cold War? Was it inevitable?</li> <li>What factors led to the Cold War? Was it inevitable?</li> <li>Was the threat of global communism genuine? Why or Why not?</li> <li>Following WWII, was the U.S. an effective mediator in the conflicts in the Middle East? Why or Why not?</li> <li>Did President Reagan "win the Cold War"? Why or Why not?</li> </ol>	<ol> <li>How did the H-bomb and threat of nuclear annihilation affect American society?</li> <li>How did the Interstate Highway Act transform American society?</li> <li>Why weren't Jim Crow laws affected after the <i>Brown v. Board of</i> <i>Education</i> decision?</li> <li>Has America lived up to the vision of Dr. Martin Luther King, Jr.?</li> <li>What were the actions and values of the American counterculture and New Left in the 1960s?</li> <li>How do Federal, state and local legislation affect de jure and de facto discrimination?</li> </ol>	<ol> <li>What is globalization and why does it matter?</li> <li>How did the strengths and weakness of the U.S. economy shape foreign and domestic policy?</li> <li>How did Clinton's foreign policy differ from the policies of Reagan/Bush?</li> <li>What led to the invasion of Afghanistan and the 2nd Iraq War? What were the consequences? How does the War on Terror compare to earlier U.S. military operations in Panama, Vietnam, and/or Korea?</li> <li>Are we a nation of haves and have-nots? Why is it so difficult to discuss class in the U.S.?</li> </ol>

The New York City Department of Education Grades 9-12 Social Studies Scope and Sequence

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UNIT 1: Forming a Union: Colonial and Constitutional Foundations (1607 – ca. 1800)	UNIT 3: Post-Civil War America Industrialization, Urbanization and the Progressive Movement (1865 – ca. 1900)	UNIT 4: Prosperity and Depression: At Home and Abroad (ca. 1890 – 1941)	UNIT 5: World War II and the Cold War (1935 – 1990)	UNIT 6: Social and Economic Change: Domestic Issues (1945 – present)	
SEPTEMBER - OCTOBER	DECEMBER – JANUARY	FEBRUARY — MID-MARCH	MID-MARCH — APRIL	MAY	
Essential Question: What are American foundations for liberty and freedom?	Essential Question: How was America's response to the challenges of growth & progress aligned to its ideals of democracy?	Essential Question: How does a nation balance its own needs and interests with that of other nations?	Essential Question: To what extent have America's responses to foreign policy challenges been successful?	Essential Question: Is there one America or many?	
Executive Cabinet Washington's advice to avoid political parties Neutrality, Election of 1800 Thomas Jefferson's election – Tradition of peaceful transfer of power – Presidential election of 2000 <i>he Marshall Court (1801 – 835)</i> John Marshall, Federalist, strengthening of the Federal government and the Judicial Branch <i>Marbury v. Madison</i> (1803) <i>McCulloch v. Maryland</i> (1819) <i>Gibbons v. Ogden</i> (1824)	<ul> <li>Mergers and trusts – <i>United States v. E.C.</i> <i>Knight</i> (1895)</li> <li>Strengthening railroad regulation and consumer protection (Commerce Act, Sherman Antitrust Act)</li> <li>Trust-busting (Northern Securities Co. v. United States (1904), Standard Oil)</li> <li>Rapid Industrialization and Urbanization Leads to New Reforms 11.5b</li> <li>New sources of labor/ immigrants (eastern/ southern Europe and Asia)</li> <li>Demographic trends 1840 – 1920 (Irish, Italian, Russian, Jewish, Polish immigration)</li> <li>Push factors leading to immigration (political unrest, famine, unemployment, war, religious persecution)</li> </ul>	<ul> <li>Onset of the Great Depression</li> <li>Weakness in the economy</li> <li>Overproduction/under consumption</li> <li>The Dust Bowl</li> <li>Overexpansion of credit</li> <li>The stock market crash, Black Tuesday, Black Tuesday, Black Thursday</li> <li>Worldwide effects</li> <li>Interdependent banking systems</li> <li>Political repercussions</li> <li>Culture (Langston Hughes and John Steinbeck, WPA, Hollywood, comic books and superheroes)</li> <li>Herbert H. Hoover</li> <li>Reconstruction Finance Corporation</li> <li>Boulder Dam (Hoover Dam), public works jobs</li> <li>Unemployment, Bonus Army, General MacArthur, Hoovervilles</li> <li>cont</li> </ul>	<ul> <li>Foreign Policy 11.9c</li> <li>The U.S. and the Middle East during the Cold War</li> <li>The U.S. after Vietnam</li> <li>Embargo against Cuba</li> <li>Fall of South Vietnam</li> <li>U.S. support for the State of Israel</li> <li>Camp David Accords</li> <li>Oil crisis</li> <li>Middle East mediation</li> <li>The Afghanistan invasion by Russia</li> <li>U.S. boycotts Olympics and grain</li> <li>SALT II</li> <li>Iranian hostage crisis</li> <li>Falling popularity of Carter</li> <li>The Cold War Ends 11.9d</li> <li>Reagan Doctrine</li> <li>Evil empire speech</li> <li>Russian invasion of Afghanistan, U.S. support for Afghanistan</li> <li>Iran-Contra (1985 –1986)</li> </ul>	<ul> <li>Environmental problems</li> <li>Oil crisis, shifting energy priorities</li> <li>Environmental Protection Agency</li> <li>Environmental concerns, Three Mile Island, toxic waste, acid rain</li> <li>Silent Spring</li> <li>Clean Air Acts, Clean Water Act, Endangered Species Act, Environmental Protection Agency</li> <li>Modifications to Great Society programs</li> <li>New approaches to old and new problems</li> <li>Modifications to the DEA, food stamps, revenue sharing</li> <li>Ratification of the 16th Amendment</li> <li>Feast and famine</li> <li>The problems of poverty in an affluent society</li> <li>Immigration Debate, Immigration Act of 1965</li> </ul>	

The New York City Department of Education Grades 9-12 Social Studies Scope and Sequence

UNIT 2: A Changing Society and The	UNIT 4: WWI and The United States	UNIT 5: The United States Assumes	Grade	
Progressive Era between Wars		Worldwide Responsibilities	The Changing Nature of the American People	
OCT NOV.	JAN FEB.	MARCH - APRIL	MAY - JUNE	
Essential Question: How do people, policies and technological advances shape a nation?	Essential Question: How does a nation respond to economic, political and social challenges?	Essential Guestion: How do competing views of power and morality lead to global conflict?	Essential Question: Has the United States of America lived up to the promise and potential of its history and status?	
<ul> <li>Key events (Haymarket Affair. Puilman and International Ladies Garment Workers' Union Strikes)</li> <li>Rise of civil service</li> <li>The Progressive Era B.2e</li> <li>Populist Party</li> <li>Key figures (Tedoy Roosevel, Jacob Ris, W.E.B. Dubois, John Muir, Marcus Garvey, Ida Tarbell, Eugene V, Debs, Booker T Washington, Upton Sinclar, and Lillian Wald)</li> <li>Muckrakers</li> <li>NAACP and civil rights movements</li> <li>Temperance and prohibition</li> <li>Settlement houses</li> <li>Growth of the women's suffrage movement</li> <li>The 19th Amendment (1920)</li> </ul>	<ul> <li>New production methods (assembly ines)</li> <li>Bank failures</li> <li>Stock Market crash</li> <li>'Black Tuesday'</li> <li>The Great Depression 8,5b</li> <li>Government regulation of social problems</li> <li>Government responso to economic crisis</li> <li>Loss of jobs, weath, and homes</li> <li>Impact based on class, race, and gender</li> <li>Conditions in NYC</li> <li>The Dust Bowl</li> <li>Man-made and environmental conditions</li> <li>Federal assistance, Farm Security Act (1937)</li> <li>Changes in family structure, cultural consequences</li> </ul>	<ul> <li>NATO/Warsaw Pact</li> <li>Hungarian uprising</li> <li>Superpower rivalry (arms race, threat of nuclear weepons, space race)</li> <li>Detente/arms control (SALT treaties)</li> <li>Peace talks (1980s)</li> <li>Fall of Bertin Wall</li> <li>End of Cold War</li> <li>United States Post-War Foreign and Domestic Policy 8.7b</li> <li>Communist expansion</li> <li>McCarthyism and the second Red Scare</li> <li>U.S. policy of containment</li> <li>Truman Doctrine</li> <li>Marshal Plan</li> <li>Korean War</li> <li>Cuban Missile Crisis</li> <li>Vietnam War</li> <li>Domino Theory</li> </ul>	<ul> <li>Oll crisis/inflation</li> <li>The Vietnam War and the War on Poverty 8.9c</li> <li>Medicare and Medicaid</li> <li>The Great Society</li> <li>1960s counterculture</li> <li>The draft</li> <li>Peace movement</li> <li>Civil Liberties Debates: 8,9e</li> <li>Miranda &amp; Arizona (1966)</li> <li>Tinker V, Des Moines School District (1969)</li> <li>Gun violence and Second Amendment</li> <li>Cyber-bullying</li> <li>Electronic surveillance</li> </ul>	

UNIT 2: A Changing Society and The Progressive Era	UNIT 4: WWI and The United States between Wars	UNIT 5: The United States Assumes Worldwide Responsibilities	UNIT 6: From World War II to the Present: The Changing Nature of the American People
OCT NOV.	JAN FEB.	MARCH - APRIL	MAY - JUNE
Essential Question: How do people, policies and technological advances shape a nation?	Essential Question: How does a nation respond to economic, political and social challenges?	Essential Question: How do competing views of power and morality lead to global conflict?	Essential Question: Has the United States of America lived up to the promise and potential of its history and status?
<ul> <li>Industrial technology</li> <li>Rise of banking and financial institutions</li> <li>Labor force</li> <li>Growth of industrial urban centers</li> <li>Economic concepts (capitalism, mixed economy, scencity)</li> <li>Government and Business</li> <li>B.2d, 8.2d, 8.2e</li> <li>Relationships between government and business</li> <li>Political parties</li> <li>Laissez faire government</li> <li>Era of Boss Tweed and Tammany Hal</li> <li>Early attempts to unionize: goals and tactics of labor unions</li> <li>Knights of Labor, American Federation of Labor, and International Workers of the World</li> </ul>	8.5 GREAT DEPRESSION: Economic and environmental disasters in the 1930s created hardships for many Americans, Amidst much debate about the appropriate role of government, President Franklin D. Roosevelt helped create intensive government interventions in the United States economy and society. (Standards 1, 3, 5) Economic Practices of the 1920s 8.5a • Government protection of business • Tariffs and international trade • Consumer economy • Increase in the use of credit • Agranen to industrial • Disparity of wealth; rise of poor and unemployed	Reparations for human nghts violations The United Nations The United Nations The United States as a world power A7 FOREIGN POLICY: The period after Vorid War II has been characterized by an deological and political truggle, first between the United States and communism during the Cold War, then between the United States and communism during the Cold War, then between the United States and communism during the Cold War, then between the United States and corces of instability in the Middle East, increased economic interdependence and competition, as well as environmental concerns, are challenges faced by the United States. Standards 1, 2, 4, 5) Competing iuperpowers 8.7a The Cold War Soviet Eloc Berlin Wal	<ul> <li>Assassination of major leaders (1960s)</li> <li>Key events and legislation (Military desegregation, Brown x Board of Education (1954), March on Washington for Jobs and Freedom (1963), 16th Street Baptist Church Bombing (1963), Civil Pights Act (1964), the Voting Rights Act (1965), March on Fear (1966) incident at Wounded Knee (1972), ERA, Education for All Handicapped Children Act (1975), IDEA (1980), Americans with Disabilities Act (1990)i</li> <li>The feminist movement (1970s)</li> <li>American Indian Movement</li> <li>Political Challenges (1960's – present)</li> <li>Watergate Scandal</li> <li>Nixon's resignation</li> <li>Foonomic recession</li> <li>Presidential cuts to social arograms and taxes</li> </ul>

#### New York State P-12 Science Learning Standards



Students who demonstrate understanding can:

- MS-LS1-1. Plan and conduct an investigation to provide evidence that living things are made of cells; either one cell or many different numbers and types of cells. (Contration Listerant: Confision or developing ordered for long they are made of unit, always and possible living and non-loving thread, and understanding the loving thread interval of the unit or many and varied calls []
- M5-L51-2. Develop and use a model to describe the function of a cell as a whole and ways parts of cells contribute to the function. (Contration Statement, Englassis on the cell functioning as a whole system and the privacy sum of identified parts of the cult, appricanty the nooka, chloroplasta intechendria, cel mentrari i , and tel wall. [Assessiverk Blundary: Assessiver of a gama intraction/faction restors" para inteche to the coll and and coll memoryne. Assessment of the function of this other represenses innered to their relationship to the while cell. Assessment does not include that hischemical desaue minters to the functions of each or mill parts.)
- MS-LS1-3. Construct an explanation supported by evidence for how the body is composed of interacting systems consisting of cells, tissues, and organs working together to maintain homeostasis, (Certation Statement: Errough should up on the function and intervaliant of the major body systems (aug. circulatory, materialory, removal, manufoldaletal), (faunterimit Boards y, Messawari is boards in We interactions however systems not no the functions of included systems.)

MS-LS1-8. Gather and synthesize information that sensory receptors respond to stimuli, resulting in immediate behavior and/or storage as memories. Tosesment Boundary Assessment does not insude mechanisms for the transmission of this information (

The performance expectations above were developed using the following clement: from the MPC opcurrent A Francesent for X-12 Science Education

#### Science and Engineering Practices **Developing and Using Hodels**

**Planning and Carrying Out Investigations** 

manning and canying out Investigations III 6-8 builds on Kr

5 experiences and progresses to include investigations that

Conduct on investigation to produce data to serve as the basis for evidence that meet the gate of an

supported by multiple sources of evidence consistent with

· Construct a scientific explanation based on white and

theories and laws that describe the natural world

Obtaining, availabing, and communicating information in 5-8 builds on K-5 experiences and progresses to

 Gather, read, and kenthesize information from multiple appropriate sources and assess the credibility .

accuracy, and possible bias of each publication and

evoluating the ment and validity of ities and methods.

reliable existence obtained from sources (including the

"Hickney over experiments" and the millimpton that

operate topiny as they did in the past and will compute

oulds on K-5 operations and progresses to include

constructing explanations and designing salutions:

stantific knowledge, principles, and theorem.

top do so in the future. (PG-LSI-5)

Obtaining, Evaluating, and Communicating

use matiple aatables and provide endence to support

ANS APPEND

(MS-L51-2)

Information

explanations or solutions.

munitipation. (MS-LSI-1)

#### LS1.A: Structure and Function

- Modeling in 6-8 taulois on K-5 imperiences and progresses · All forms things are made up of calls, which is the to developing, using, and revising models to describe, test, smallest unit that can be said to be alwa. An organism and predict more abstract phenomena and design may consist of one single cell (unicellular) of many different numbers and types of prils (multicellular). Develop and use a model to peacebe phanomena. (MS-151-11)
  - A Ittin cells, special structures are responsible for particular functions, and line onli membrane forms the bounciary that controls what enters and leaves the coll. (MS-151-2)
  - In multicellular organisms, the body is a system of malipple interacting subsystems. These subsystems are gloups of cells that work together to form tissues and organs that are gereinlined for particular body functions. (MS-LS1-3)

#### Constructing Explanations and Designing Solutions LS1.0: Information Processing Constructing explanations and designing solutions in G-8

- Each sense neceptor responds to different inputs (alectromagnetic, intechanical) chemical), transmitting them as signals that travel along nerve cells to the terain: (MS-LS1-3)
- (NVSED) Plants empored to Manual soch in criwWV (geotrouism) and light (phototropism). (PIS-LS1-8)
- Interdependence of Science, Engineering, and Technology. · Engineering eductors have led to important discovenes in virtually every field of science, and

Crossoutting Concepts

predict phenomena in natural systems. (MS-LS1-6)

Premamena time can be observed at one scale may

not be conservable at another scale. (MS-ES1-1)

Systems may interact each other systems; they may

Terve sub-systems and be a part of arget complex.

· Complex and memoscopic structures and restorms cars

their function depends on the relationships arrang its.

piets, Disenfore complex ridstal Muchanas/systems.

call be analyzed to determine how they function

Connections to Englasering, Technology;

and Applications of Science

scientific discoveries have led to the development of

be visualized, modeled, and used to describe now

· Cause and effect relationships may be used to

Scale, Proportion, and Quantity

Systems and System Models

systems, INS-LS1-31

Structure and Function

045-151-21

**Cause and Effect** 

antire industries and appiround systems. (MS-LS1-

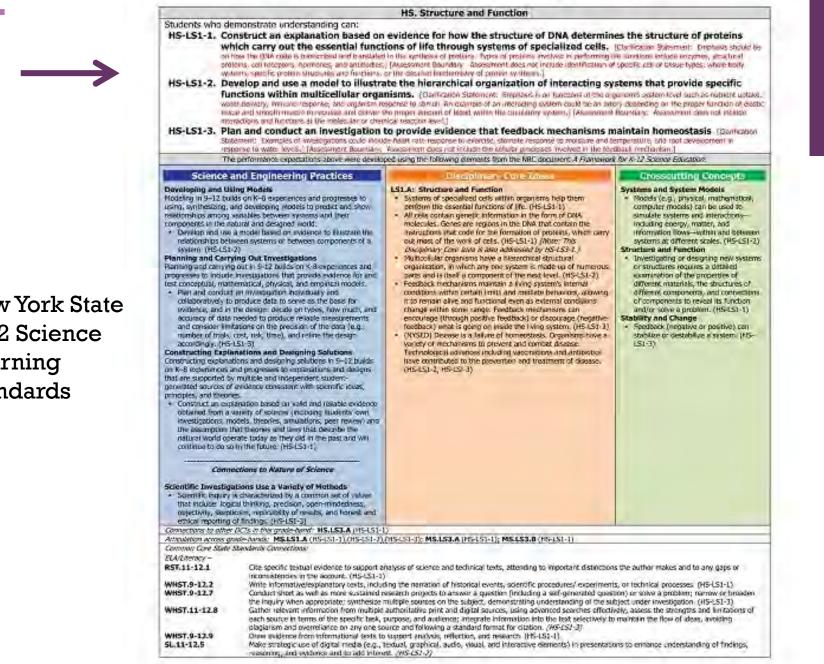
Connections to Nature of Science

Science is a Human Endervor · Scientists and engineers are galace by habits of initial such as intellectual honesty, tolerance of ambiguity, stoppicism, and common in new ideas. [NS-LS1-3]

New York State P-12 Science Learning **Standards** 

methods used, and describe how they are supported or not supported by enderce. (MS-LS1-8) Connections to other DCIs in this grade-band: MSLSJ.A (MS-USI-2) Attended to DCIr access grade Aands 4.151.4 (454.51-2); 4.151.0 (454.51-8); 465.151-8); 465.151-1) (454.51-2) (454.51-3) (454.51-6) Control Cost State Standards Connections: EALANNA RST.6-8.1 Cite specific textual evidence to support analysis of science and terminical pasts. (MS-LSI-1) Trace and evaluate the argument and specific takens in a text, dialonguishing claims that are supported by restorm and evidence from claims that are not. (MS-RL6.5 151-31 WHST.6-8.1 Winte acquirents focused on discipline content: (NS-LS1-3) WHST.6-6.7 Contact Short rewards projects to assess a question (including a well-generated question), drawing on several sources and generating additional released. focused guestions that allow for multiple avenues of exploration. (MS-LSI-1) Gather criseant information from multiple print and digital sources, using second terms effectively; insens the cresibility and accuracy of each source; and nume WHST.6-8.8 or paraphrase the data and accolutions of others while exceding plagators and following a standard formers for others. (HS USI-8)-51.8.5 Integrate nutrinedia and visual pisplays into presentations to darily information, strengther claims and evidence, and add interest. (MS-LST-J) Mathematics-Use variables to represent two quantities in a real-would problem that change in relationship to one another; write an equation to express one quantity, thought 6.EE.C.9 of as the dependent variable, in terms of the other quantity, thought of as the independent variable. Analyze the relationship between the dependent and entependant carabias using graphs and tables, and mate tissue to the equation. (NS-LSI-3)/NS-LSI-3).

### New York State P-12 Science Learning Standards



**New York State** P-12 Science Learning **Standards** 





New York City Science Standards