In the spring of 2006, a team of Illinois educators created the new Illinois Alternate Assessment (IAA) Frameworks. The purpose of the frameworks is to prioritize the skills and knowledge from the Illinois Learning Standards for students with the most significant cognitive disabilities, in order to develop a new Illinois Alternate Assessment. The Illinois State Board of Education (ISBE) contracted Pearson Educational Measurement (PEM), and their subcontractor partners, Beck Evaluation and Testing Associates, Inc. (BETA), and the Inclusive Large Scale Standards and Assessment (ILSSA) group, to develop the new IAA in grades three through eight and 11 for Reading and Mathematics; in grades four, seven, and 11 for Science; and in grades three, five, six, eight, and 11 for Writing. BETA's responsibilities include providing event-based assessment activities linked to the IAA Frameworks, developing the assessment rubric, and incorporating principles of Universal Design for Learning. ILSSA's responsibilities include facilitating the development of the IAA Frameworks and providing statewide staff development on how to access grade-level curriculum. Pearson Learning Group (PLG) is a division of PEM and their responsibilities include providing a customized online scoring tool along with training to use this feature.

During the framework development meetings, educators were divided into development teams based on both content area and grade level focus. Addressing reading, writing, mathematics, mathematics, and science, each content area had one development team for elementary school, one for middle school, and one for high school. Each team consisted of at least one general education teacher, one special education teacher, and one content expert. The process used by the development teams to create the Illinois Alternate Assessment Frameworks was as follows:

The development teams reviewed each of the assessment objectives (statements coded with numbers such as 6.8.03) in grades three through eight. For each assessment objective, the teams:

- Identified the critical function, or the main idea of the objective;
- Wrote an instructional activity that could be used to teach the skills needed to meet the assessment objective in the general education classroom;
- Wrote a modified instructional activity that could be used to teach students with the most significant cognitive disabilities the same skills; and
- Identified three assessment activities that could be used to assess students with the most significant cognitive disabilities on the skills described in the modified activity.

After the development teams examined the assessment objectives and wrote both instructional and assessment activities for each grade level, the teams prioritized the assessment objectives and selected the assessment objectives which are most suitable for students with the most significant cognitive disabilities. The leadership team at ISBE reviewed these priorities for further refinement. These pilot priorities will form the basis for the new IAA performance test items. Following the completion of the fall 2006 writing pilot, a review may be necessary in order to determine if the new IAA priorities are appropriate and provide a comparable assessment to the general statewide assessment.

Using grade-level curriculum as the focus, the development teams described the instructional and assessment supports, accommodations, and assistive technology required to ensure access to quality instruction. The descriptions produced by the development teams were summarized into a set of statements designed to provide consistency across the content frameworks. These statements are as follows:

- Appropriate instruction must occur prior to the assessment activity.
- All activities must provide appropriate support, accommodations, and/or assistive technology during both the instructional activities and the assessment process. This may include the following:
 - o The use of prompting strategies, ranging from minimum prompts to full physical assistance in order to create a learning continuum for correct responses.
 - o The use of assistive technology, ranging from low tech to high tech.
 - o The reduction of breadth, depth, and/or complexity.
- Specific instructional strategies and the instructional environment for the individual student vary and should be determined by the student's IEP team.
- During assessment activities, the students should use the mode of communication that they used to learn and practice the skills during instructional activities.

- Instruction should be presented to the student in a way that is authentic, accessible, and meaningful (e.g., tactile objects, picture symbols, or use of a text reader), to ensure the student has multiple opportunities to learn and demonstrate knowledge.
- Instruction should take place within the context of grade-level content, using age-appropriate activities and materials, regardless of the placement of the student.
- Instruction must incorporate age-appropriate activities and materials which represent the same grade level content as their peers without disabilities. However, the activities and materials may be adapted to meet the individual needs of the student (e.g., reduce the language requirements or difficulty of the task) as long as the context of the materials used by same age peers remains intact.

All instructional practices should occur using available resources and materials familiar to the learners.

Communication skills are essential to the assessment of students with significant cognitive disabilities. Symbolic communication skills form the foundation for reading, mathematics, and writing. Students with significant cognitive disabilities are very diverse in their communication ability. Some students communicate symbolically, while others communicate in highly individualized ways. There are some important considerations in the development of symbolic communication skills which include the following:

- All students communicate regardless of their level of symbolic language use.
- Students with the most significant cognitive disabilities can acquire generalized use of objects (or object selection) to communicate preferences (Hetzroni, Rubin, Konkol, 2002).
- Language learners must use symbols repeatedly, interactively, and generatively during meaningful and ongoing activities in language-rich environments (Goossens, Crain, & Elder, 1992; Cafiero, 1998; Goossens, et al., 1992; Romiski & Sevcik, 1996; Miller & Eller-Miller, 2002; Mirenda, 2003).
- Competent use of language for multiple purposes, audiences, and contexts facilitate the metalinguistic skills required for reading comprehension (Rankin, Harwood, & Mirenda, 1994).

The assessment activities in this document reflect three types of students who represent the continuum of communication skills within this student population.

- The first activity is designed for students who inconsistently respond to communication and inconsistently use words, objects, or gestures to communicate expressively.
- The second activity is for learners who are beginning to use understandable communication through gestures, pictures, objects/textures, points, etc., to clearly express a variety of intentions.
- The third activity is for students who are using verbal or written words, sign language, Braille, or any language-based augmentative system to request, initiate, and respond to questions, describe things or events, and express refusal.

Throughout the frameworks document, the suggested general education instructional and modified instructional activities are written in plural form, as instruction is typically provided to a whole class. However, the instruction for these activities may be provided in the context of whole class instruction, small group instruction, or individually based on student needs. Conversely, the assessment activities are written in the singular form, as the IAA is a standard assessment measuring individual performance.

The process of reviewing the frameworks and aligning the new IAA to the Illinois Learning Standards and regular assessment is an ongoing process. The activities in this document were created by Illinois teachers and are only suggested activities that may be used to teach the assessment objectives listed. The activities, materials, and techniques listed in the frameworks are just one possible way to teach these assessment objectives and should not to be considered the state-mandated strategy for teaching any given assessment objective. Teachers should feel comfortable in using other strategies, materials, or activities that may already be in place or familiar to the teacher. The IAA Frameworks and the IAA itself will continue to be reviewed and adjusted as changes occur with the Illinois Standards and/or the general assessment.

State Goal 6: Number Sense

Representations and Ordering (Standard A)

6.8.03 Recognize, translate between, and model multiple representations of rational numbers (decimals, fractions, mixed numbers, percents, and roots).

Computation, Operations, Estimation, and Properties (Standards B and C)

6.8.09 Solve problems and number sentences involving addition, subtraction, multiplication, and division using rational numbers, exponents, and roots.

Ratios, Proportions, and Percents (Standard D)

6.8.17 Read, write, recognize, model, and interpret percents including those less than 1% and greater than 100%.

State Goal 7: Measurement

Units, Tools, Estimation, and Application (Standards A, B, and C)

7.8.01 Select and use appropriate standard units and tools to solve measurement problems, including measurement of polygons and circles.

7.8.03 Compare and estimate length (including perimeter/circumference), area, volume, weight/mass, and angles (0° to 360°) using referents.

State Goal 8: Algebra

Representations, Patterns, and Expression (Standard A)

8.8.01, Analyze, extend, and create sequences or linear functions, and determine algebraic expressions to describe the n^{th} term of a sequence.

Connections Using Tables, Graphs, and Symbols (Standard B)

8.8.08 Translate between different representations (table, written, graphical, or pictorial) of whole number relationships and linear expressions.

Writing, Interpreting and Solving Equations (Standards C and D)

8.8.13 Solve word problems involving unknown quantities.

State Goal 9: Geometry

Properties of Single Figures and Coordinate Geometry (Standard A)

9.8.05 Graph points and identify coordinates of points on the Cartesian coordinate plane (all four quadrants).

Relationships Between and Among Multiple Figures (Standard B)

9.8.10 Identify front, side, and top views of a three-dimensional solid built with cubes.

State Goal 10: Data Analysis, Statistics, and Probability

Data Analysis and Statistics (Standards A and B)

10.8.01 Read, interpret (including possible misleading characteristics), and make predictions from data represented in a bar graph, line (dot) plot, Venn diagram (with two or three circles), chart/table, line graph, scatter plot, circle graph, stem—and—leaf plot, or histogram.

10.8.03 Create a bar graph, chart/table, line graph, or circle graph and solve a problem using the data in the graph for a given set of data.

Probability (Standard C)

10.8.07 Represent all possible outcomes (sample space) for simple or compound events (e.g., tables, grids, tree diagrams).

State Goal 6

Representations and Ordering (Standard A) Read, write, and represent numbers

6.8.03 Recognize, translate between, and model multiple representations of rational numbers (decimals, fractions, mixed numbers, and percents, and roots).

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Critical Function	Suggested General	Suggested Modified	Possible Assessment Activity 1	Possible Assessment Activity 2	Possible Assessment Activity 3
	Education Activity	Instructional Activity			
Read and write	The teacher will	The teacher, using models,	Given two fractions or visual	Given three fractions, the student	Given a representation of a
numbers that are	demonstrate and explain	will demonstrate and	models of fractions, the student	will identify the fraction	fraction, the student will
decimals,	the relationship between	explain the relationship	will identify the fractions asked	requested.	identify the fraction.
fractions, mixed	decimals, percents, and	between decimals,	for by the teacher.		
numbers,	mixed numbers. The	fractions, percents, and			
improper	students will identify the	mixed numbers.			
fractions,	fractions asked for by the	Having four different			
percents, and	teacher.	fractions, represented by			
square roots.		models, the students will			
		identify the fraction asked			
		for by the teacher.			
		-			

State Goal 6

Computation, Operations, Estimation, and Properties (Standard B and C) Number Operations

6.8.09 Solve problems and number sentences involving addition, subtraction, multiplication, and division using rational numbers, exponents, and roots.

0.0.07 Surve proble	enis and number sentences	myorving addition, subtract	ion, mumpiicanon, and urvision u	sing rational numbers, exponents	, and roots.
Critical Function	Suggested General	Suggested Modified	Possible Assessment Activity 1	Possible Assessment Activity 2	Possible Assessment Activity 3
	Education Activity	Instructional Activity			
Solve problems	The teacher will model	Same as Suggested General	Given a word problem or	Given a word problem or	Given a word problem or
using addition,	how to solve problems	Activity with necessary	number sentence and two	number sentence and three	number sentence, the student
subtraction,	involving addition,	supports.	possible answers, the student	possible answers, the student	will solve the problem.
multiplication,	subtraction,		will select the correct response.	will select the correct response.	
and division using	multiplication, and				
rational,	division using rational				
exponents, and	numbers, exponents, and				
square roots.	roots. The students will				
	solve problems involving				
	addition, subtraction,				
	multiplication, and				
	division using rational				
	numbers, exponents, and				
	roots in many math				
	problems (i.e., algebra				
	problems, geometry,				
	probability, data				
	analysis).				

State Goal 6

Ratios, Proportions, and Percents (Standard D) Percents

6.8.17 Read, write, recognize, model, and interpret percents including those less than 1% and greater than 100%.

0.0.17 Iteau, Wilte	, recognize, model, and mee	i pret percents including thos	e less than 170 and Si cater than 1	00 / 01	
Critical Function	Suggested General	Suggested Modified	Possible Assessment Activity 1	Possible Assessment Activity 2	Possible Assessment Activity 3
	Education Activity	Instructional Activity			
Read, write,	The teacher will create	Same as Suggested General	Given two models of	Given several models of	Given a blank model and a
recognize, and	manipulatives to model	Activity with necessary	percentages, the student will	percentages, the student will	previously taught percent, the
model percents.	different percents (100	supports.	indicate whether or not the	match the models to the percents	student will represent the given
	grid, circle representation,		models represent equal amounts.	they represent.	percent on the model.
	bars). The students will				
	indicate if the two				
	representations are equal.				

State Goal 7

Units, Tools, Estimation, and Application (Standards A, B, and C) Measurement Tools

7.8.01 Select and use appropriate standard units and tools to solve measurement problems, including measurement of polygons and circles.

710101 Sciect and as	e appropriate standard and	to the tools to solve measure	, ,	ement of polygons and enterest	1
Critical Function	Suggested General	Suggested Modified	Possible Assessment Activity 1	Possible Assessment Activity 2	Possible Assessment Activity 3
	Education Activity	Instructional Activity			
Choose and use the	The teacher will use a	The teacher will use a	Given two measuring tools and a	Given three measuring tools and	Given a measuring tool, the
correct measuring	variety of measuring	variety of measuring tools	specified item to be measured,	specified items to be measured,	student will measure simple
tool to measure	tools and show the	and show the students how	the student will select the	the student will match the	items in the classroom.
length, weight,	students how to use each	to use each tool (which	appropriate tool to measure the	appropriate tools to the specified	
capacity, and	tool (which also	also demonstrates the	item (e.g., Would a scale or a	items.	
angles.	demonstrates the	measuring process) in	ruler be appropriate to measure		
	measuring process) in	correct units.	how much a book weighs?).		
Example:	correct units. The	The students will measure			
Draw a line, shape,	students will measure	several objects around			
polygon, figure,	several objects around	classroom. The students			
angle, or circle	classroom. The students	will trace/reconstruct a			
given the	will construct shapes,	specified line, shape, or			
measurements or	lines, and angles, given	angle.			
dimensions.	specific dimensions.				

State Goal 7

Units, Tools, Estimation, and Application (Standards A, B, and C) Estimation

7.8.03 Compare and estimate length (including perimeter/circumference), area, volume, weight/mass, and angles (0° to 360°) using referents.

7.0100 Compare and	estimate length (melaamg	, permieter, en camier ence),	area, voianne, weignamass, and ar	igies (o to eoo) using references:	
Critical Function	Suggested General	Suggested Modified	Possible Assessment Activity 1	Possible Assessment Activity 2	Possible Assessment Activity 3
	Education Activity	Instructional Activity			
Estimate length,	The teacher will	Same as suggested General	Given two items, the student will	Given a two-dimensional shape	Given a two-dimensional shape
area, volume,	demonstrate examples	Education Activity with	estimate which item has more	and an object that could be used	and an object that represents a
weight, and angles	using known objects with	necessary supports.	mass (weight).	to determine its perimeter (e.g., a	portion of its area (e.g., one
by referring to an	known measurements,			picture frame and craft sticks),	scrapbook page and a picture),
object with a	and will compare these to			the student will estimate the	the student will estimate the
known	related objects (with			perimeter in terms of the object	total area in terms of the object
measurement.	unknown measures), and			used.	used.
	illustrate how to make an				
	educated guess what the				
	unknown measure is. The				
	students will estimate				
	values of various items.				

State Goal 8

Representations, Patterns, and Expressions (Standard A) Patterns

8.8.01 Analyze, extend, and create sequences or linear functions, and determine algebraic expressions to describe the n^{th} term of a sequence.

Critical Function	Suggested General	Suggested Modified	Possible Assessment Activity 1	Possible Assessment Activity 2	Possible Assessment Activity 3
	Education Activity	Instructional Activity			
Analyze sequence	The teacher will give a	The teacher will give the	Given a numerical pattern, the	Given a numerical pattern, the	Given a numerical pattern, the
to explain how	numerical pattern and	students an easy pattern of	student will select the next term	student will select the next three	student will select the next five
each term was	explain how to find the	numbers (e.g., 2, 4, 6, 8)	in the pattern from a choice of	terms in the pattern.	terms in the pattern.
found.	n^{th} term. The n^{th} term is	and explain how to find the	two.		
	the expression used to	n^{th} term. The n^{th} term would			
	find any term in the	be any term in the			
	pattern. The students will	sequence. The students will			
	find the <i>n</i> th term of a	find the given term.			
	sequence.				

State Goal 8

Representations, Patterns, and Expressions (Standard A) Patterns

8.8.08 Translate between different representations (table, written, graphical, or pictorial) of whole number relationships and linear expressions.

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Critical Function	Suggested General	Suggested Modified	Possible Assessment Activity 1	Possible Assessment Activity 2	Possible Assessment Activity 3
	Education Activity	Instructional Activity			
Compare linear	The teacher will provide	Same as suggested General	Given a choice of graphs, the	Given a written representation of	Given a written representation
expressions and	a table of values and	Education Activity with	student will choose the requested	whole numbers, the student will	of whole numbers, the student
an input output	corresponding graphs.	necessary supports.	representation of whole	find the graph representation that	will draw a graph
table to see if they	The students will		numbers.	matches.	representation that matches.
match.	determine which graph				
	matches the table and				
Example:	vice versa.				
Compare a word					
problem with a					
graph.					

State Goal 8

Writing, And interpreting and Solving Equations (Standards C and D) Solve Equations and Inequities

8.8.13 Solve word problems involving unknown quantities.

Olollo Dolle Wold	problems involving ammov.	n quantities.			
Critical Function	Suggested General	Suggested Modified	Possible Assessment Activity 1	Possible Assessment Activity 2	Possible Assessment Activity 3
	Education Activity	Instructional Activity			
Solve word	The teacher will ask the	The teacher will ask the	Given a word problem	Given a word problem	Given a word problem
problems using	students to write and solve	students to solve word	containing a simple one-step	containing a simple one-step	containing a simple situation,
unknown	word problems using one-	problems using simple one-	equation, the student will	equation, the student will	the student will solve the
quantities.	and two-step equations	step equations. The students	select the correct answer from	select the correct answer from	problem (e.g. There are
	using rational numbers.	will solve word problems.	two possible choices.	three possible choices.	bicycles and tricycles in a store.
	The students will solve				There are 20 wheels total. How
	word problems.				many bicycles and tricycles
					could there be at this store?).

State Goal 9

Properties of Single Figures and Coordinate Geometry (Standard A) Coordinate Geometry

9.8.05 Graph points and identify coordinates of points on the Cartesian coordinate plane (all four quadrants).

Critical Function	Suggested General	Suggested Modified	Possible Assessment Activity 1	Possible Assessment Activity 2	Possible Assessment Activity 3
	Education Activity	Instructional Activity			
Plot points and/or	The teacher will review	Same as suggested General	Given an ordered pair, the	Given three ordered pairs, the	Given graph paper, the student
identify coordinates	graphing. The students	Education Activity with	student will plot one point in	student will plot the points in	will plot points in the first
on a Cartesian	will graph points using	necessary supports.	the first quadrant on a plane.	the first quadrant on a plane.	quadrant dictated by the
plane. (A Cartesian	all four quadrants. The				teacher.
plane is a grid with	students will find the				
four quadrants.)	coordinates of points on				
	the plane.				

State Goal 9: Geometry

Relationships Between and Among Multiple Figures (Standard B) Relationships Between Two- and Three-dimensional Objects

9.8.10 Identify front, side, and top views of a three-dimensional solid built with cubes.

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Critical Function	Suggested General	Suggested Modified	Possible Assessment Activity 1	Possible Assessment Activity 2	Possible Assessment Activity 3
	Education Activity	Instructional Activity			
Identify front,	The teacher will show	The teacher will show three-	Given a grocery bag with two	Given a grocery bag with three	Given a grocery bag with the
side, and top	three-dimensional figures	dimensional figures built	three-dimensional grocery	three-dimensional shapes	same grocery item standing,
views of a three-	built with cubes and paint	with cubes and paint the	items inside, the student will	inside, the student will be	and then lying on its side, the
dimensional solid	the front, side, and top	front, side, and top views	be asked to find a specific	asked to find specific shapes	student will be asked to identify
built with cubes.	views different colors. The	different colors. The students	shape within the bag by just	within the bag by just looking	the shape of the item in each
	students will build a three-	will use two blocks stacked	looking at the top views.	at the top views.	position. (e.g., a box of crackers
	dimensional figure with	on top of each other to create			standing is a square and lying
	blocks and identify the top,	a three-dimensional figure.			on its side is a rectangle).
	front, and side views.	The students will identify the			
		shape of the top view given			
		three choices.			

State Goal 10

Data Analysis and Statistics (Standards A and B) Read and Interpret Displays

10.8.01 Read, interpret (including possible misleading characteristics), and make predictions from data represented in a bar graph, line (dot) plot, Venn diagram (with two

or three circles), chart/table, line graph, scatter plot, circle graph, stem-and-leaf plot, or histogram.

of tiffee circles), cha	n dabie, mie graph, scatte	r piot, circle graph, stem-and-	-iear piot, or mistogram.		
Critical Function	Suggested General	Suggested Modified	Possible Assessment Activity 1	Possible Assessment Activity 2	Possible Assessment Activity 3
	Education Activity	Instructional Activity			
Read, interpret	The teacher will model	Same as suggested General	Given choices, the student will	Given a graph, the student will	Given a graph, the student will
(including possible	how to read and interpret	Education Activity with	answer questions pertaining to	answer questions pertaining to	answer questions pertaining to
misleading	different types of graphs.	necessary supports.	data on a bar graph.	data on a bar graph.	data on a graph.
characteristics) and	Given data about				
make predictions	something ongoing, the				
from data on a	students will predict				
variety of diagrams	future outcomes				
and graphs.	assuming the pattern				
	continues.				

State Goal 10

Data Analysis and Statistics (Standards A and B) Complete and Create Displays

10.8.03 Create a bar graph, chart/table, line graph, or circle graph and solve a problem using the data in the graph for a given set of data.

1010100 CI cute u bui	graph, chara table, mie gr	upin, or entere grupin unit sorve	a prosiem asing the data in the	graph for a given set of auta.	
Critical Function	Suggested General	Suggested Modified	Possible Assessment Activity 1	Possible Assessment Activity 2	Possible Assessment Activity 3
	Education Activity	Instructional Activity			
Create a bar	The teacher will model	Same as suggested General	Given two pieces of data, the	Given three pieces of data, the	Given a set of data, no more
graph/chart/table,	how to create different	Education Activity with	student will graph the data.	student will place the data on a	than five pieces, the student
line graph, or circle	types of graphs. The	necessary supports.		graph. The student will	will create a bar graph by
graph, and solve	students will create a bar			correctly answer a question	coloring, or shading. The
problems using this	graph/chart/table, line			using the data from the graph.	student will answer three
data.	graph, or circle graph,				questions using the data from
	and solve problems using				the graphs.
Example:	the data.				
Students graph data					
using previous sales					
of t-shirts and need					
to predict how many					
t-shirts to buy to sell					
at a certain event.					

State Goal 10

Probability (Standard C)
Outcomes and Counting Principles

10.8.07 Represent all possible outcomes (sample space) for simple or compound events (e.g., tables, grids, tree diagrams).

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Critical Function	Suggested General	Suggested Modified	Possible Assessment Activity 1	Possible Assessment Activity 2	Possible Assessment Activity 3
	Education Activity	Instructional Activity			
Represent all	The teacher will	The teacher will demonstrate	Given three different types of	Given three different types of	Given three different types of
possible outcomes	demonstrate how to	how to determine all possible	pizza toppings and two	pizza toppings and two types	pizza toppings and two types of
for simple or	determine all possible	outcomes of a given	different types of crust, the	of crust and using	crust, the student will determine
compound events.	outcomes of a given	situation. Given five	student will determine the	manipulatives, the student will	all the different two-topping
	situation. Given 10	different types of pizza	number of possibilities of one-	determine all the different two-	pizzas that can be made.
	different types of pizza	toppings and two types of	topping pizzas, from a choice	topping pizzas that can be	
	toppings and two types of	pizza crust, the students will	of three possibilities.	made.	
	pizza crust, the students	determine how many			
	will determine how many	different three-topping pizzas			
	different three-topping	can be made.			
	pizzas can be made.				