





Developing Student Growth Measures (SGM's) and Student Learning Objectives (SLO's) for Students With Significant Cognitive Disabilities



S. Benson, OCALICON 11/14

Essential Questions

- What resources are available to assist in the design of teacher team created SGMs?
- What formats might be used to provide active engagement and participation in SGM data gathering?
- Are there any vendor-approved assessments that are accessible to the wide range of students who take the AA?

Guidance from ODE

Types of Student Growth Measures

1. Value-Added

If available, teachers must include Value-Added data in the student growth measure. If allowed by law, the local education agency may also use local student growth measures.

2. Approved Vendor Assessments

If Value-Added data is not available, districts or schools can use other assessments provided by national testing vendors and approved for use in Ohio.

3. Locally Determined Measures

For subjects where traditional assessments are not an option (such as art or music) districts or schools should establish a process to create locally determined measures, including student learning objectives, to measure student progress.

Types of locally determined measures include:

- » Student Learning Objectives
- » Shared Attribution
- » Approved Vendor Assessments (for Category A teachers only)

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Assessment	Vendor	Grade	Subject
Quality Core	ACT	9-12	End of Course Exams: English, Algebra I, II, Geometry, Pre-Calculus, Biology, Chemistry, Physics, U S History
The Act	ACT	11-12	ELA, Math, Science
Dibels AD	Amplify	K-3	ELA
Terra Nova 3	СТВ	2-12 2-3	Science, Social Studies Math, ELA
iReady Diagnostic	Curriculum Associates	K-3	ELA, Math
MAP Primary	NWEA	K-2	Math, Reading
MAP	NWEA	2-3	Language Usage Math, Reading
Career Tech	OSU CETE	9-12	Vocational Technical
AIMSWeb	Pearson	K-3, 9-12	ELA, Math
PRO-Core	ProCore	2-11	Science, Social Studies
PRO-Core	ProCore	2-3, 9-11	Reading, Math
STAR Early Literacy	Renaissance	K-3	ELA
STAR Math Enterprise	Renaissance	1-3, 9-12	Math
STAR Reading Enterprise	Renaissance	1-3, 9-12	Reading
Iowa Assessments	Riverside	K-12 K-3, 9-12	Science, Social Studies ELA, Math
Riverside Interim Assessments	Riverside	2-3, 9-11	ELA, Math

http://education.ohio.gov/Topics/Teaching/Educator-Evaluation-System/ Ohio-s-Teacher-Evaluation-System/Student-Growth-Measures/Approved-List-of-Assessments

Are there any vendor-approved SGM assessments that are accessible to the wide range of students who take the AA?

The short answer is, no.

But...

Some districts are using curriculum based and teacher created quarterly assessments.

As most of the assessment questions are designed by the companies, many of these assessments, while standards-based, they are not accessible to a wide range of students taking the AA

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So, what resources are available to assist in the design of teacher-team created SGMs?

 One of the best resources we have is <u>the</u> current AA.

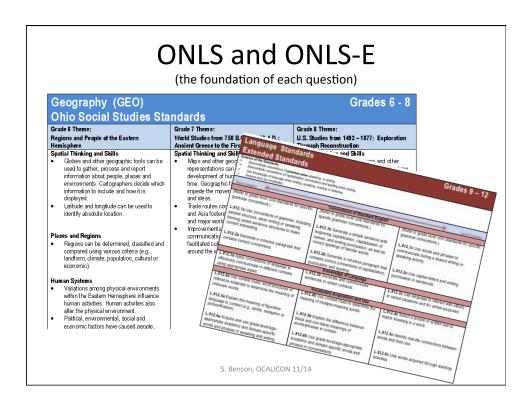
But we can also use:

- Curriculum Materials
- Co-planning materials from content specialists
- Online sample assessment items

What specific formatting details might be used to provide active engagement and participation in SGM data gathering?

- AA formatted questions and answers
- Citation of standards on each question
- <u>Levels of complexity</u> within each standard (tiered questions per standard)
- Based on coverage of a years units of study



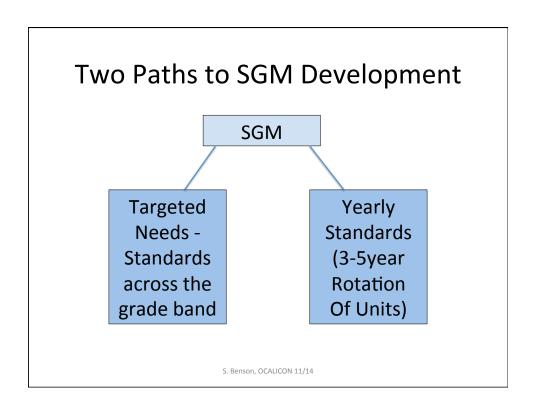


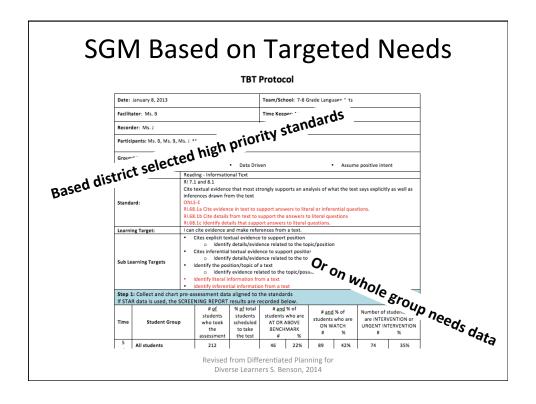
Standards Linkage

Standards Addressed in Assessment:

Reading Standards for Literature: (RL)

Grade 3			
RL.3.2. Recount stories, including fables, folktales, and myths from diverse cultures; determine the central message, lesson, or moral and explain how it is conveyed through key details in the text. Grade 4 RL.4.2. Determine the theme of story, drama, or poem from details in the text. summarize the text.	RL.35.2a Summarize text and identify theme.	RL.35.2b Retell a story including theme and key details.	RL.35.2c Identify the central message or theme in a story.
Grade 5			
RL.5.2. Determine the theme of a story, drama, or poem from details in the text, including how			
characters in a story or drama respond to the			
challenges or how the speaker in a poem reflects upon a topic; summarize the text.			





SGM Based on Standards Selected Yearly Units of Study

Step 1 Unit Theme: A	Step 1 Unit Theme: Animal Ecosystems							
Science Stand								
General Standard	Most	ONLS-E Complexity	Least					
LS.3.3 • Plants and animals have life cycles that are gags of their adaptations for survival in their pageod environments.	LS.353a Recognize how a stage in the life cacle supports the survival of a plant or socioal.	LS.35.3b Sequence the stages of an animal up plant life cycle from egg to adult.	LS.35.3c Identify a stage in the life cycle of apparimal or plant.					
LS.4.1 - Changes in an organism's environment are suscellags beneficial to its survival and suscellags harmful.	LS.35.4a Compare two different animals and their migratory patterns.	LS.35.4b Determine reasons for migration of animals.	LS.35.4c Identify season changes that count migration/					
LS.5.1, 2 Organisms perform a variety of roles in an constition. All of the processes that take place within despectable energy.	LS 35.7a Identify producers, consumers or documposates LS 35.8a Trace energy flow in a food web.	LS.35.7b Identify predistor/prey relationships in a food chain. LS.35.8b Recognize that plants use the sun's energy.	LS.35.7c Match a food source for a given socious. LS.35.8c Recognize that animals use coccus.					
Social Studies	Standards							
General Standard	Most	Complexity	Least					
72HIS.5. - Multiple-tier timelines can be used to show calationabiguations events and places.	HIS.35.1a Create a timeline of local, state or automal events within a given time period.	HIS.35.1b Sequence a series of events in Ohio history showing years.	HIS.35.1c Identify an event/activity occurring before or after another given activity/event.					
GEO.3.3 - Evidence of human modification of the outcoursest can be observed in the local constantly.	GEO.35.6a Describe the positive and acquition consequences of modifying the acuteoussest.	GEO.35.6b Identify the results of using souls to medify the environment (e.g., buildings, parking lots, water pipes, tailroads, roads,	GEO.35.6c Identify tools that can be used as modify the environment (e.g., shovel, crups, dump trucks, bulldozer).					

GEO.4.4		bridges).	
- People have modified the environment spot, prehistoric times. There are both position and negative consequences for modifying the environment in Ohio and the United States.			
ECON.3.1 - Links graphs reveal to show charges in deaguerer time. Tables and charts help adapted the deaguerer time. Tables and charts help added to the deaguerer time. Tables and control to the deaguerer time and control tables and control tables and control tables. Tables and control tables are the deaguerer tables and control tables and control tables. Tables are the deaguerer tables and control tables are tables and control tables and control tables. Tables are tables and control tables and control tables are tables and control tables and control tables. Tables and control tables are tables and control tables and control tables and control tables. Tables are tables and control tables and control tables and control tables and control tables. Tables are tables and control tables and control tables and control tables and control tables. Tables are tables and control tables and control tables and control tables and control tables. Tables and control tables are tables and control tables and control tables and control tables and control tables. Tables and control tables are tables and control tables. Tables are tables and control tables	ECON. S1. Is a subject information displayed galanjul graphs and daure.	ECON 3.1b. Crease a simple graph or a diago flash displays halid simple graph or a diago flash displays halid simple graph or a simple graph representing alices of pizza, has a part of pizza, has a graph representing alices of pizza, has a graph representing alices of pizza, has a graph control of the graph of the graph of pizza and pizza a graph or a graph of the gr	ECON.35: to learnedly a graph or a chair (e.g., bar graph, basic unbid)
ECON.3.3 - Individuals must make decisions because githe scarcity of resources. Making a decision involves an appartunity cost, the galactic first properturity cost, the galactic first properturity is given up along an economic choice is made.	ECON.35.1a Analyze information displayed op.simple graphs and charts.	ECON.35.1b Crease a simple graph or a chapt, that displays hasic data (e.g., circle graph, representing slices of pizza, bar graph, comparing how many books different studgest, checked out from the library).	ECON 35.2e Make a choice between two things you want.

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SGM Items Should Stretch Complexity

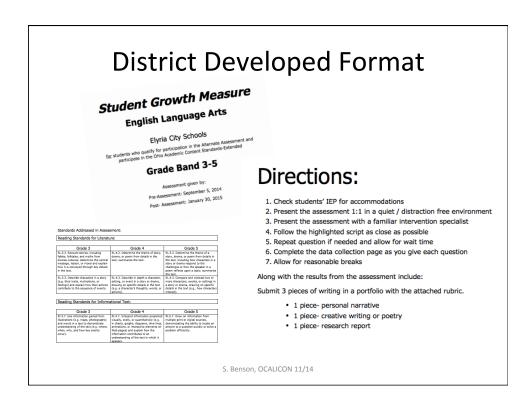
General Standard	Most	Complexity	Least
TOPIC: Economic Decision-Making and Skills • Economists analyze multiple sources of data to predict trends, make inferences and arrive at conclusions. • Reading financial reports (bank statements, stock market reports and mutual fund statements) enables individuals to make and analyze decisions about personal finances.	EFL.912.1a Evaluate positive and negative consequences of a financial decision based og current financial reports or information.	EFL.912.1b Compare the price of several items and determine which are affordable within a personal budget.	EFL.912.1c Make a purchase decision based on a set amoun of money available

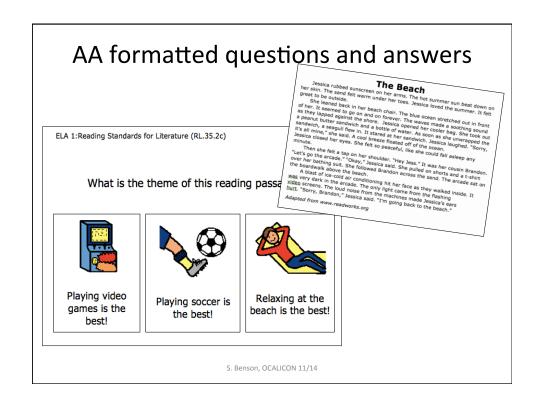
Include full standard state of the standard is targeted	d (remember you must include			, ,
Grade Level Standard	ONLS-E Most Complex	ONLS-E Mid Complex	ON	LS-E Least Complex
Grade Level: Standard (Subject): Strand/Domain: Standard/Content Statement #:				
Ta	sk Analysis/Learning Progr	ressions/Unpacking the Sta	ndard	
	ion that the whole group receives)			
1. The items below can be students specific or level	Least Support	(you can also add stude initials or i.d. #'s here		Most Support
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The items below can be students specific or level specific Pre/Post-Assessment Work sample-with \(\) list, rubric or notes Qaptioned photo(s) Video tape - with data sheet Audio recording - with data sheet Test Quty Viss Rubric Other Differentiated Materials/		initials or i.d. #'s here		Most Support
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Let's Focus on Locally Determined Measures

3. Locally Determined Measures

For subjects where traditional assessments are not an option (such as art or music) districts or schools should establish a process to create locally determined measures, including student learning objectives, to measure student progress.





Standards Linkage

Standards Addressed in Assessment:

Reading Standards for Literature: (RL)

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Standard Citation for Each Question

ELA 1:Reading Standards for Literature (RL.35.2c)

What is the theme of this reading passage?



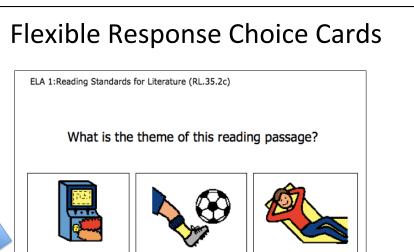
Playing video games is the best!



Playing soccer is the best!



Relaxing at the beach is the best!





Playing video games is the best!



Playing soccer is the best!



Relaxing at the beach is the best!

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Progress Monitoring Questions

Mathematics Standards: Grades K - 2 Domain: Numbers and Operations in Base Ten

Grade K	Grade 1	Grade 2
Work with numbers 11–19 to gain foundations for place value. 1. Compose and decompose numbers from 11 to 19 into ten ones and some further ones, e.g., by using objects or drawings, and record each composition or decomposition by a drawing or equation (e.g., 18 = 10 + 8); understand that these numbers are composed of ten ones and one, two, three, four, five, six, seven, eight, or nine ones.	Extend the counting sequence. 1. Count to 120, starting at any number less than 120. In this range, read and write numerals and represent a number of objects with a written numeral.	Understand place value. 1. Understand that the three digits of a three-digit number represent amounts of hundreds, tens, and ones; e.g., 706 equals 7 hundreds, 0 tens, and 6 ones. Understand the following as special cases: a. 100 can be thought of as a bundle of ten tens — called a "hundred." b. The numbers 100, 200, 300, 400, 500, 600, 700, 800, 900 refer to one, two, three, four, five, six, seven, eight, or nine hundreds (and 0 tens and 0 ones).
Extended Standards: Most Complex		Least Complex
NBT.K2.1a Compose (put together) and decompose (break apart) a three-digit number (e.g., 328 = 3 hundreds, 2 tens and 8 ones).	NBT.K2.1B Compose (put together) and/or decompose (break apart) a two-digit number	NBT.K2.1c Identify a model or object representation for a two-digit number up to 20.
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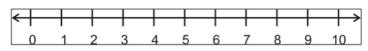
Engagement Questions

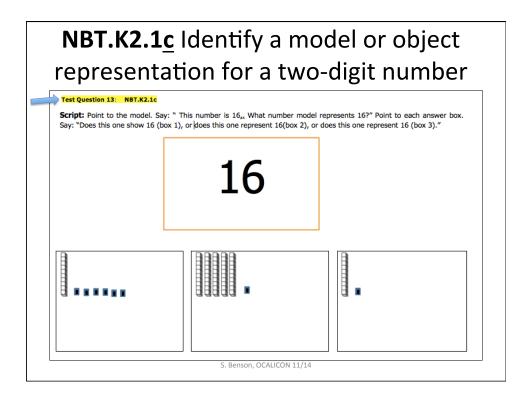
Domain: Counting and Cardinality Standard 1 Mathematics Standard Extended Standards MD.K2.6c Identify numbers on a number line

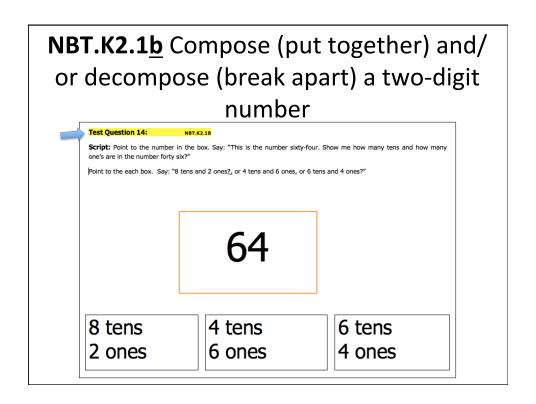
Test Question 1: MD.K2.6c

Script: Hold up a number line. Say: "This is a number line." Say: "We are going to be using a number line to count and solve problems."
"Would you like to look at or touch the number line?" Offer number line to student.

- 1. This item is worth 1 point.
- 2. If the student shows engagement with the number line score of ${f 1.}$
- 3. Score of **0** if student shows no response.







NBT.K2.1a Compose (put together) and decompose (break apart) a three-digit number (e.g., 328 = 3 hundreds, 2 tens and 8 ones).



Script: Point to question. Say: "If we put 3 hundred, two tens, and 8 ones together, what number would it make?" Point to each answer box. Say: "Would it make 238, or 845, or 328?"

3 hundred

2 tens

8 ones

238

845

328

Data used for TBT, SLO and Grades



Expanding TBT's

TBT Protocol

Date:	January 8, 2013			Team/Sch	ool: 7-8 G	Frade Langu	age Arts			
Facilita	ator: Ms. B		Time Keeper: Ms. B							
Record	der: Ms. J		Process Monitor: Ma				fr. P			
Participants: Ms. B, Ms. B, Ms. J, Mr. P										
Ground Rules Everyone has a voice Data Driven Assume positive intent										
Topic/	Focus:	Reading - Information	onal Text							
Standa	ard:	Cite textual evidence that most strongly supports an analysis of what the text says explicitly as well as inferences drawn from the text ONIS-E RISBLA Cite evidence in text to support answers to literal or inferential questions. RISBLA Cite details from text to support he answers to literal questions RISBLA Cite details from text to support the answers to literal questions.							as well as	
Learni	ng Target:					questions.				
Learning Target: Can cite evidence and make references from a text.										
		pre-assessment dat SCREENING REPORT								
Time	Student Group	# of % of total students students		# and % of students who are AT OR ABOVE BENCHMARK # %		# and % of students who are ON WATCH # %		Number of students who are INTERVENTION or URGENT INTERVENTION # %		
5	All students	212		46	22%	89	42%	74	35%	

Revised from Differentiated Planning for Diverse Learners S. Benson, 2014

Developing SLO's

Targeted Student Learning Objective Template
This template should be completed while referring to the Student Learning Objective Template Checklist.

Please use the guidance provided in addition to this template to develop components of the student learning objective and populate each component in the space below.

Key.

Ohio's New Learning Standards = Grade-Level Standard

Ohio's New Learning Standards Extended = Extended Standards
R1 = Reading Informational
W = Writing
LP = Learning Progressions (task analyses). The teacher analyzes a standard to develop learning progressions, which are steps or tasks
students can take to acquire the knowledge or skills expressed in the grade-level learning standard. A student with a disability may first work
toward mastery of an extended standard and then progress to the corresponding grade-level standard.

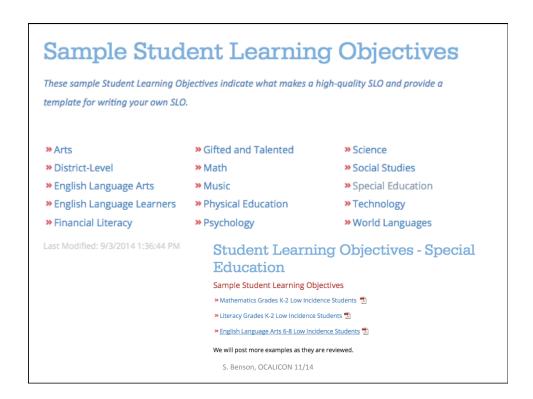
The table below represents the stretch of the standards from the most complex (grade level) to least complex (learning progressions).



Baseline and Trend Data

What information is the educator using to inform the creation of the student learning objective and establish the amount of growth that should take place?

There are eight students in my classroom with a variety of disabilities including significant cognitive, autism and other low incidence disabilities within a grade band ranging from sixth through eighth grade.



Using SGM Data in SLO's

Full ONLS/ONLS-E Range



Inclusion of AA Data

Ohio's Alternate Assessment was given for the first time last spring, and in the future will reveal some helpful trend data.

Grade Basic Proficient Accelerated Advanced

6-8 377 400 422 449

This table, provided in the document: AASCD_Performance_Standards_June2013, shows the cut scores for English language arts. The reference grade band (6-8) for my class is highlighted.

Table 1: AASCD Scale Score Standards in English Language Arts

Grade	Basic	Proficient	Accelerated	Advanced
3-5	363	382	411	430
6-8	377	400	422	449
OGT	393	413	437	456

This table provide		oles	had about	To ooo th	o full o	hart pla	ana referen	ao Annandiy A	
i nis tadie provide		of the data descr rker of baseline ing	Total Pts. Earned (RI) (16 Pts. Possible)	Total Pt Earned (W) (16 Pts. Possible	s. 32 To (R	nart, pie Pts. tal I+W)	Spring 2014 Alternate Assessment score (ELA)	Alternate Asses Designation	ssment
Sixth Grade									
Student A	RI.68.10c, V	VLP3	9	4	13		415	Proficient	
Student B	RILP1, WLF	94	8	2	10		380	Basic	
Student C	RI.68.4b, R	l.68.10b,	12	11	23		455	Accelerated	
Sixth Grade		Pre-assessme	nt		Pre-as	sessm	ent Gr	owth Target	Growth Targe
Student A		RI.68.10c, WLF	3	1	21			68.4c, Rl.68.10c, P2	26
Student B		RILP1, WLP4			14		RI	68.4c, WLP3	17
Student C		RI.68.4b, RI.68	.10b, W.68.	2a !	54			68.4a, 68.10a, W.68.2a	64
Seventh Grade)								
*Student D		RILP3, WLP4		4	4		RI	.P3, WLP4	5
Student E		RILP2, WLP3			10		RI	P1, WLP2	14
Eighth Grade									
Student F		RI.68.10c, W.66	3.2c		37			68.4b, 68.10b, W.68.9b	43
Student G		RILP2, WLP4			В		RI	P2, WLP3	10
Student H		RI.68.10c, *WL	P3	1	18		RI	68.4b, 68.10b, *WLP3	21

Standards Based Grade Card

Social Studies - Economics

Production and Consumption

ECON 3.3	A consumer is a person whose wants are satisfied by using goods and services. A producer makes goods and/or provides services.	
ECON.35.3a	Explain decisions producers and consumers must make (e.g., how much to produce, how to price goods, how much a consumer can spend).	
ECON.35.3b	Identify traits of producers and consumers (e.g., producers make goods/provide services, consumers buy goods).	Δ
ECON.35.3c	Identify examples of producers and consumers (e.g., farmer, shopper).	
	Sort pictures of consumers and producers	
	Wear the producer sign when growing a garden	
	Pick out a snack from the "SNACK shack" and put on the consumer button	Λ

Key

 This indicates where the student started out before the unit began based on pre-assessments
This indicates where the student scored at the end of the unit based on post-assessments
This symbol represents a no-response from the child un able to test
The highlighted area is the projected growth target for this standard

S. Benson, OCALICON 11/14 This sample provided by Kathy Pero

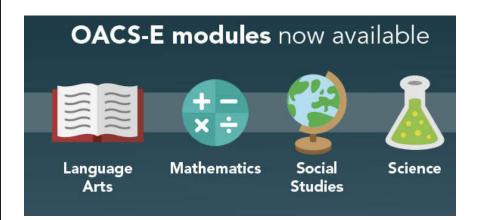
Let's Review The Formula

Your local process could include:

- AA like template
- · Standard citation on each item
- Engagement items
- Increased complexity per standard to provide stretch
- Use of SGM data

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For More Information



Please feel free to contact me:



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