ACCOUNTABLE TALK FRAMES TO SUPPORT LANGUAGE FUNCTIONS

→ A RESOURCE FOR DEVELOPING ACADEMIC LANGUAGE FOR ALL STUDENTS IN ALL CONTENT AREAS

If you want them to HEAR it, you talk. If you want them to LEARN it, THEY TALK.

- Spencer Kagan

Adapted from the work of Kate Kinsella
Guiding Questions from Building Academic Language (Zwiers):

- What is academic language, how can I build it as I teach content?
- How can I adapt my curriculum and assessment to build on the cultural and linguistic strengths of my students?
- How can I get students to think together to co-construct meaning; rather than just study to memorize?
- How can I build language skills for complex reading and writing?
- How can I assess thinking skills and language proficiency in useful ways?
- How can I most efficiently apprentice students into thinking and talking like experts in my discipline?

Excerpts from “English Language Development: Implementation at Grades Six Through Twelve” (Dutro and Kinsella)

Secondary education is a complex endeavor. Fast-paced schedules, specialized courses, rigorous content, high-staked assessment, and variety of instructional methods place a high demand on students. For students, who must navigate these complexities while acquiring [academic] English, the demands intensify significantly (Dutro and Levy 2008).

Academic Language Development in Core Content

Although there are many definitions of academic English, there are agreed-upon commonalities. According to various sources cited by Saunders and Goldenberg, “Academic language refers to the specialized vocabulary, grammar, discourse/ textual, and functional skills associated with academic instruction and mastery of academic materials and tasks”. Academic language is significantly different from the informal speech students use outside the classroom. The language of schooling includes everyday words (e.g. reason, understand), general academic vocabulary that cuts across subject areas (e.g. respond, category), and specialized terms (e.g. polygon, onomatopoeia) (Feldman and Kinsella 2008). Written and spoken classroom discourse is also characterized by academic text structures and grammatical complexity (Bailey 2007: Scarcella 2003; Schleppegrell 2004; Wong Fillmore and Snow 2000).

Academic English requires sufficient background knowledge to apply general knowledge of words differently across subject areas. For example, division and product have strikingly different meanings in mathematics than they so in social studies or everyday use. Similarly, a student might encounter the term factor in a mathematics class (process) and later that same day in a discussion of economics (issue). Academic English also entails specialized knowledge of concepts in particular subject areas.

Building Functional Language

Mastery of language and syntactic features allows students’ full participation in academics by enabling them to put ideas together in a wide range of ways. Mastery includes learning the breadth of language patterns to communicate relationships between ideas: to explain, describe, compare, and contrast, summarize, generalize, express, cause-and-effect relationships, sequences, and so on. The intentional teaching of language structures-the “mortar”- enables Students to internalize the patterns needed to express concepts, ideas, and thinking.

Teaching English from the perspective of language functions helps to identify the language demands of a specific academic task (describing, sequencing events, comparing attributes) and content concepts (methods of communication, narrative events). The benefits of learning to use the language functions such as comparing, for example, extend beyond a given task because once Students know how to compare, they can apply that skill to a range of contexts across content areas. Students practice and extend their language skills for comparing by applying it in different ways. Increasing competence in any language function obligates the speaker or writer to use increasingly complex sentence structures.

Using this approach, learning interesting content- and how to talk and write about that interesting content- is not delayed until more advanced levels of proficiency are reached. Academic language is developed from the beginning stages of second language learning. Competence in a range of functions equips students to participate in content instruction and supports academic language proficiency. Language becomes a vehicle, rather than a barrier, to learning.
Academic Language

Academic Language can be defined as 1) the language used in the classroom and workplace, 2) the language of text, 3) the language of assessments, 4) the language of academic success and 5) the language of power.

<table>
<thead>
<tr>
<th>Informal Language</th>
<th>Academic Language</th>
</tr>
</thead>
<tbody>
<tr>
<td>repetition of words</td>
<td>variety of words, more sophisticated vocabulary</td>
</tr>
<tr>
<td>sentences start with &quot;and&quot; or &quot;but&quot;</td>
<td>sentences start with transition words, such as &quot;however&quot;, &quot;moreover&quot;, and &quot;in addition&quot;</td>
</tr>
<tr>
<td>use of slang such as “dude”, “whatever”, and “like”</td>
<td>replaces slang with accurate descriptors</td>
</tr>
<tr>
<td>appropriate for use in casual, social settings</td>
<td>appropriate for use in all academic and work place settings</td>
</tr>
<tr>
<td>can vary greatly by ethnicity, region, gender, age</td>
<td>common language register for all</td>
</tr>
</tbody>
</table>

**Academic Language** consists of *academic vocabulary* and is used in *academic discourse*.

**Academic Vocabulary**

The vocabulary critical to understanding the concepts of the content taught in schools. Academic vocabulary includes content related vocabulary and high frequency academic words such as Bloom’s verbs.

**Academic Discourse**

Academic discourse provides students with the language tools (vocabulary and syntax) necessary to competently discuss the topic using complete sentences. Structured dialogue in the form of “sentence stems” provides a scaffold for students to appropriate academic language in meaningful contexts.
Student uses language to: Observe and explore the environment, acquire information, inquire

Examples: Uses who, what, when, where, and how to gather information

Strategies: Quick-write, Think Pair Share, Novel Ideas, 5 W’s and How, Question Creation, Chart (Q-Chart)

Cue Words: in other words, that is to say, according to, specifically, who, what, when, where, why, how

Language Frames & Graphic Organizers:

Language of Inquiry/Seeking Information
I wonder why . . .
How does . . . work?
I'd like to ask you about . . .
Am I correct in assuming that . . .?
Could you expand a little bit on what you said about . . .?
Could you be more specific about . . .?
Something else I'd like to know is . . .
If I have understood you correctly, your point is that . . .
I didn't understand what you said about . . .
I'm sorry, could you repeat what you said about . . .?
Sorry, but I'm not quite clear on . . .

Expressing an Opinion*
I think/believe that . . .
In my opinion . . .
Based on my experience, I think . . .

Soliciting a Response*
What do you think?
We haven't heard from you yet.
Do you agree?
What answer did you get?

Paraphrasing*
So you are saying that . . .
In other words, you think . . .
What I hear you saying is . . .
Summarizing and Informing

Student uses language to: Identify, report or describe information

Examples: Recount information presented by teacher or text; retell a story or personal experience

Strategies: Novel Ideas Only, Writing Frames

Cue Words: in short, in summary, to sum up, finally, all in all, in conclusion

Language Frames & Graphic Organizers:

**Language of Summarizing**
On the whole...
Basically he/she is saying that....
In this text, the author argues that....
To support the main claim, the author provides evidence that suggests that....

**Language of Informing**
The advantages of ______ outweigh the disadvantages of ______ In so far as...
The statistics are misleading because they do/not show...
These [facts/reasons/data] strongly suggest that... Yet some argue strongly that....

**Reporting a Partner’s [or anyone’s] Idea***
____ indicated that....
____ pointed out to me that....
____ emphasized that...
____ concluded that....

Main Idea/Supporting Ideas/Conclusion

**Syntax**

<table>
<thead>
<tr>
<th>Definition</th>
<th>Similar</th>
<th>Feel Like</th>
<th>Opposite</th>
<th>Similar</th>
<th>Synthesis</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>


Comparing and Contrasting

Student uses language to: Describe similarities and differences in objects or ideas

Examples: Make/explain a graphic organizer to show similarities and contrasts; Write in bullet or paragraph format to specify similarities / differences; Categorizing to organize terms or ideas; Verbal clarification of similarities or differences through questioning or pairing activities.

Strategies: Categories on a wall, Content Curiosities (Survey), Jigsaw Project

Cue Words: likewise, however, nevertheless, despite, on the other hand, on the contrary, contrary to..., conversely, rather, still

Language Frames & Graphic Organizers:

Language of Comparing & Contrasting
One similarity/difference between [subject 1] and [subject 2] is ....
[Subject 1] and [subject 2] are similar because they both....
[Subject 1] and [subject 2] are rather different because while
[subject 1] has_________, [subject 2] has__________.
Whereas [subject 1] is ..., [subject 2] is ...
[Subject 1] is .... Similarly / In contrast, [subject 2] is ....

Language of Agreeing*
My idea/answer/explanation is similar to/related to...
I agree with (a person) that...
My idea builds upon (a person’s) idea...
I don’t agree with you because...

Venn Diagram

Compare/Contrast Matrix

<table>
<thead>
<tr>
<th>Attribute 1</th>
<th>Name 1</th>
<th>Name 2</th>
</tr>
</thead>
</table>

Double Bubble Chart

Double Bubble Chart

See this used map to compare (match) and contrast (differences).
Sequencing/Ordering

Student uses language to: sequence objects, ideas, or events.

Examples: Describe / make a timeline, Continuum, Cycle, Narrative sequence

Strategies: Mix and match, Categories on a wall, Collaborative Poster

Cue Words: at which point, at this time, simultaneously, subsequently

Language Frames & Graphic Organizers:

Language of Sequencing
First, ... and second, ...
Meanwhile, the____appeared to be ...
While [subject 1] was ..., [subject 2] was simultaneously/concurrently...
Finally____proceeded to...
Consequently the__began ___to ___
Previously,____had decided to ___
Following this event, ___
Initially .... Some time later.....
After ... the next step is/was to...
What occurred/happened prior to... was that...
In the first stage/phase, ___
The transition between stages____and____can be described as___.
Classifying

**Student uses language to:** Group objects or ideas according to their characteristics. It is critical to identify the rules that govern class or category membership.

**Examples:** describe organizing principle(s), explain why A is an example and B is not,

**Strategies:** Collaborative poster, categories on a wall, word sorts, sort and label

**Cue Words:** sort, categorize, select, belongs to, fits into, features, traits, qualities

**Language Frames & Graphic Organizers:**

**Language of Classifying**

_____ consists of [quantity] categories.

The [quantity] categories of _____ are _____, _____, and ___.

We can classify _____ according to...

______ and _______ are types of ... because....

The most salient characteristic(s) of this group is/are...

An appropriate name for this group is ... owing to the fact that they all...

______ correlates to ______ insofar as....

These______ are arranged according to....
Analyzing

Student uses language to: Separate whole into parts, identify relationships and patterns

Examples: Describe parts, features, or main idea of information

Strategies: Analysis Pizza, Collaborative poster, word sorts, sort and label, dissecting, various lab activities

Cue Words: examine, scrutinize, break down, dissect, investigate, determine, elements

Language Frames & Graphic Organizers:

**Language of Analysis**
We can interpret______as ....
Given the evidence, we can deduce that...
_______can be differentiated from________based on...
After a thorough analysis of the evidence, we conclude that....
This_____is significant because...
After careful examination of... it appears that...
_____is related to______insofar as....
____and______are connected by..... This is important because...
We can draw parallels between______and the world/other texts/self because....
**Student uses language to:** make inferences, predict implications, hypothesize.

**Examples:** Describe reasoning process (inductive or deductive); Generate hypotheses to suggest causes or outcomes; Describe observations using multiple senses

**Strategies:** Guess and check, Scientific method, Seeking patterns, Using visuals and structure of a text to predict topic, Pre-reading strategies

**Cue Words:** guess, conclude that..., estimate, speculate, draw a conclusion, believe, due to, since, in light of

**Language Frames & Graphic Organizers:**

**Language of Prediction and Hypothesis**

I predict / imagine that...
Given ..., I hypothesize that ...
If I use ... then I predict ... will happen.
Based on past results, I predict...
I deduced .... after analyzing further. I discerned that___________ because....
I foresee_________ because....
I prognosticate...... because I know.....

**Language of Inference**

Based on ... I infer that ...
I infer that... based on...
My conjecture on_____ is....
I anticipate that...

**Hypothesis Matrix**

<table>
<thead>
<tr>
<th>Question</th>
<th>Conditional Statement</th>
<th>If, Then Statement</th>
</tr>
</thead>
</table>

**Prediction Chart**

<table>
<thead>
<tr>
<th>GUESSES</th>
<th>REASONS</th>
<th>EVIDENCE</th>
</tr>
</thead>
</table>

**Making Inferences**

<table>
<thead>
<tr>
<th>Story Clues</th>
<th>What I Know</th>
<th>Inference</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Justifying and Persuading

**Student uses language to:** Give reasons for an action, decision, point of view; convince others

**Examples:** Tell why A is important and give evidence in support of a position.

**Strategies:** Socratic Seminar, Think-Pair Share, Anticipatory Chart with Round Robin, Rally-Robin Debate, Four Corners with justification, Error Analysis

**Cue Words:** defend, show, rationalize, think, feel, because of, for this reason, due to, right, argue, convince, influence, sway, urge, claim, beliefs, support, evidence, appeal, should, must, ought to, have to, furthermore, moreover, clearly

**Language Frames & Graphic Organizers:**

**Language of Justification**

I believe this because...

My primary reason for thinking so is...

Perhaps the most convincing reason for this is...

**Language of Persuasion**

Based on the evidence presented so far, I believe that...

Although some people claim that..., opponents argue that....

It is vital to consider...

The advantages of_____ outweigh the disadvantages of _____ insofar as...

The statistics are misleading because they do/not show...

These [facts/reasons/data] strongly suggest that... Yet some argue strongly that....

T-Chart: Opinion – Reason

Spider Web/Map listing topic/idea and reasons on “branch...
Student uses language to: Define and represent a problem; determine a solution,

Examples: Describe the problem solving process or procedures; re-state the problem in their own words

Strategies: Collaborative Poster, Sage-Scribe, Mix and Match, Manipulatives, Creating a Mnemonic, Mathematically Speaking (ally Speaking), Fold-ables, Pass the Envelope, Gallery Walk, Reciprocal Teaching, Create- Exchange- Access, Quiz-Quiz Trade

Cue Words: solve, figure out, think about, find, conflict, difficult question, situation

Language Frames & Graphic Organizers:

Language of Describing Problems
A way of thinking about solving this problem is...
In order to solve this problem we must first/
   initially....
This problem is similar to....
We need to identify...
One way to visualize this problem is...
Let's break this into parts. First, ...
Another way of looking at this problem is...
The most important thing to remember in this problem is...

Language of Explaining Solutions
A diagram or symbol that might represent this solution is...
We know our solution is correct because....
The solution to this problem is...
I know I have solved the problem because...
The solution to this problem will require....
A critical element of the solution to this problem is...
**Synthesizing**

**Student uses language to:** Combine or integrate ideas to form a whole group

**Examples:** Summarize information; incorporate new information

**Strategies:** Allow students to create their own problem, Collaborative Poster, Compare-Contrast Matrix, Creating a Mnemonic, ThINK-Pair Share, Writing Summaries, Reports, Mathematically Speaking, Foldables, Analysis Pizza, Jigsaw, Pass the Envelope, Create-Exchange-Access, Window Pane

**Cue Words:** combine, merge, form, put together, synthesis, combination

**Language Frames & Graphic Organizers:**

**Acknowledging Ideas**

My idea is similar to/related to_______’s idea.  
I agree/disagree with_______that . . .  
My idea builds upon_______’s idea.  
As_____already mentioned...

**Language of Synthesizing**

The main point(s) is/are...  
The point that_______makes is related to_______in that.....  
The significance of_______is.....  
From my perspective,_______means.....  
The concept of_______can be expressed as.....  
Our conclusion is a synthesis of_______and_______.  
I feel that_______and_______’s viewpoints are related in that....  
My visual represents a synthesis of_______and_______because....  
While creating_______, I built upon _______.

---

*Credited to ERIC"
Evaluation

Student uses language to: assess and verify with of an object, idea or decision.

Examples: Identify criteria, Explain priorities, Indicate reasons for judgment, Confirm truth

Strategies: Thumbs up/down, Colored cards (green – agree; red – disagree), Fist of 5 (level of agreement), Quickwrite

Cue Words: Judge, critique, assess, assessment, value, worth, based on, judgment, criteria, favorable, unfavorable, reason, evaluate, evaluation, features

Language Frames & Graphic Organizers:

Language of Evaluating
Based on ... I determined that...
_______’s judgment of ... was ... because ...
The critique of_______was favorable/unfavorable because ...
We/They judge_______to be_______because ....
We/I evaluated_______on the following criteria ...
I assess that....
After inspecting.... I have determined...
After carefully scrutinizing_______I believe that....
My interpretation of_______is...
When ranking its importance, I feel that... because...

Ranking

1. ............................
2. ............................
3. ............................

PMI

P+
M-
P?
**Cause and Effect**

**Student uses language to:** Describe why and how relationships and patterns exist between events, ideas, processes, problems; Identify consequences that led to the outcome

**Examples:** Make a graphic organizer to define the events leading up to the outcome or the possible outcomes based on a particular cause

**Strategies:** 1) Categories on a Wall/Sort and Label-Categories are provided and students develop list or students develop own categories based on given list; 2) Mix-n-Match cards-Students work in groups to match causes with effects; 3) Foldables; 4) Gallery Walk/Passthe Envelope-A cause or effect is given and students either rotate around the room or pass the problem from group to group to identify possible causes or effects; 5) Trading Cards-One cause or one effect is given on a card to each student. They develop an opposite idea for what they have and walk around the room to share. After sharing they trade cards to share with another.

**Cue Words:** therefore, consequently, thus, as a result of, since, because, in order to, if...then

**Language Frames & Graphic Organizers:**

**Language of Explaining Causes**

Even though many people thought the cause was ..., I believe it was...

The most likely reason for... was...

I hypothesize that... made them...

That wasn't caused by ...because

Several factors contributed to the outcome. Namely, ...

**Language of Describing an Effect**

_____was a result of...

The...led to..., which led to...

The change resulted in...

It combines with...to produce...

**Human Interaction Outline**

```
<table>
<thead>
<tr>
<th>Goals</th>
<th>Goals</th>
</tr>
</thead>
<tbody>
<tr>
<td>Person 1 Group 1</td>
<td>Person 2 Group 2</td>
</tr>
<tr>
<td>Action</td>
<td>Reaction</td>
</tr>
<tr>
<td>Action</td>
<td>Reaction 1</td>
</tr>
<tr>
<td></td>
<td>Reaction 2</td>
</tr>
<tr>
<td>Outcomes</td>
<td>Outcomes</td>
</tr>
<tr>
<td>Person 1 Group 1</td>
<td>Person 2 Group 2</td>
</tr>
</tbody>
</table>
```
Student Discussion Guide

Ground Rules for Class Discussion

1. Be prepared to share your idea when instructed to do so, first with your partner and next with the class.

2. No blurtling (ever) or hand raising (until I ask for volunteers).

3. Use the assigned sentence starter to share your idea.

4. Use your public discussion voice to share your idea: two times slower and three times louder than conversation.

5. Listen attentively while classmates are sharing and jot down new ideas.

6. If your idea is similar to someone else’s, acknowledge your classmate’s contribution before sharing your idea.

Language Class Discussion Sentence Starters

Expressing an Opinion
I think/believe that . . .
In my opinion . . .
Based on my experience, I think . . .

Predicting
I predict/imagine that . . .
Based on . . ., I infer that . . .
I hypothesize that . . .

Asking for Clarification
What do you mean?
Will you explain that again?
I have a question about that.

Paraphrasing
So you are saying that . . .
In other words, you think . . .
What I hear you saying is . . .

Soliciting a Response
What do you think?
We haven’t heard from you yet.
Do you agree?
What answer did you get?

Acknowledging Ideas
My idea is similar to/related to
I agree with (a person) that . . .
My idea builds upon _____’s idea.

Reporting a Partner’s Idea
_____ indicated that . . .
_____ pointed out to me
_____ emphasized that . . .
_____ concluded that . . .

Reporting a Group’s Idea
We decided/agreed that . . .
We concluded that . . .
Our group sees it differently.
We had a different approach.

Disagreeing
I don’t agree with you because . . .
I got a different answer than you.
I see it another way.

Offering a Suggestion
Maybe we could . . .
What if we . . .
Here’s something we might try.

Affirming
That’s an interesting idea.
I hadn’t thought of that.
I see what you mean.

Holding the Floor
As I was saying . . .
If I could finish my thought . . .
What I was trying to say was . . .

(adapted from Kate Kinsella 8/07)