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>
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<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 &quot;dude&quot;, &quot;whatever&quot;, and &quot;like&quot;</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>
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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.

“BRICKS”

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.

“MORTAR”
Inquiry/Seeking Information

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....

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**Synopsis**

<table>
<thead>
<tr>
<th>Definition</th>
<th>Similar</th>
<th>Feel Like</th>
<th>Opposite</th>
<th>Similar</th>
<th>Synthesis</th>
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Main Idea/Supporting Ideas/Conclusion
**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...

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**Venn Diagram**

**Compare/Contrast Matrix**

<table>
<thead>
<tr>
<th>Attribute 1</th>
<th>Name 1</th>
<th>Name 2</th>
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</thead>
<tbody>
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</tbody>
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**Double Bubble Chart**

"Double Bubble Chart Diagram: Use this visual map to compare similarities 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....

ACADEMIC LANGUAGE FUNCTION

04
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....

<table>
<thead>
<tr>
<th>Cat</th>
<th>Dog</th>
<th>Goldfish</th>
<th>Parrot</th>
</tr>
</thead>
<tbody>
<tr>
<td>Noisy?</td>
<td>+</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Has to be walked?</td>
<td>-</td>
<td>+</td>
<td></td>
</tr>
<tr>
<td>Sheds hair?</td>
<td>+</td>
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</tbody>
</table>

**Spider Map**

**Fishbone Map**

**Concept Definition Map**

**Box:**

- **What is it?**
- **What is it like?**
- **Main Concept**
- **What are some examples?**
- **Initiation**
- **Ritual**
- **Evolution**
- **Revolution**

**New Definition:**
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>

**Making Inferences**

\[
\text{Story Clues} + \text{What I Know} = \text{Inference}
\]
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
Solving Problems/Problem Solving

**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, Fold-ables, 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 .........
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/PASS the 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**

1. **Goals**
   - Person 1
   - Group 1
   - Interaction
   - Action
   - Reaction
   - Reaction 1
   - Reaction 2
   - Outcomes
   - Person 1
   - Group 1

2. **Goals**
   - Person 2
   - Group 2

3. **Cause**

4. **Effect**

5. **Event**

6. **Envelope**

7. **Cards**

8. **Foldables**

9. **Gallery Walk**

10. **Trading Cards**

11. **Pass**

12. **Rotate**

13. **Share**

14. **Trade**

15. **Another**
**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 blustering (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 . . .

---

**Student Discussion Guide**

**Language Class Discussion Sentence Starters**

**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)