

Academic Vocabulary

Researchers such as Kinsela, 2003; Becks, 2002; Marzano, 2005; and Scarcella 2003, stress that vocabulary knowledge is strongly correlated to academic achievement. Academic language or vocabulary is essential to reading comprehension, learning, and applying concepts. This type of vocabulary used during instruction is known as Cognitive Academic Language Proficiency (CALP). It differs from the language used in daily social interactions, known as Basic Interpersonal Communicative Skills (BICS). The WIDA Consortium categorizes academic vocabulary from content areas into three categories – *General*, *Specific* and *Technical* language. ESOL teachers can use *WIDA’s Performance Definitions* to guide their planning for systematic and explicit vocabulary instruction. As the students progress towards attaining English language proficiency, their use of more complex vocabulary must also increase.

Engaging English language learners with vocabulary across the curriculum in multiple contexts and language domains helps them build word consciousness (metalinguistic skills) as well as gain a deeper understanding of concepts. Closing the vocabulary gap for ELLs will level the playing field by providing them a strong foundation for the knowledge and skills needed in the 21st century.

The list on the following page delineates the type of vocabulary needed to access each content area during the marking period. Specific Language Vocabulary words are listed by content because they are important to learning the vocabulary in context during the marking period, however, they may also be used in other content areas.

General Language Vocabulary <i>Words required for basic communication. They are often learned through context.</i>	Specific Language Vocabulary <i>They are academic words that appear in high frequency across content areas and need to be taught explicitly. (Listed in orange.)</i>	Technical Language Vocabulary <i>Words limited to a specific content, low frequency, and best taught in a relevant context. (Listed in black.)</i>
<ul style="list-style-type: none"> • Basic Interpersonal Communicative Skills (BICS) • Highest frequency vocabulary • General content vocabulary 	<ul style="list-style-type: none"> • Appear frequently across content areas (e.g., describe, synthesize, analyze, pattern, solution) • Multiple-meaning words used in a variety of contexts and contents • Provides an efficient way to express a known concept 	<ul style="list-style-type: none"> • Low frequency words or phrases • Limited to a specific content • Best taught in context as needed

Click on link for professional development:

- **What is Academic Language? Webcast**
<http://www.colorincolorado.org/webcasts/academiclanguage/>
- **Articles on academic vocabulary building**
http://www.scoe.org/docs/ah/AH_kinsella2.pdf
<http://innovativocab.wikispaces.com/file/view/MarzVocabiGami.pdf>
http://www.aea267.k12.ia.us/literacy/files/Vocabulary/choosingwords/Which_Words_to_Teach.pdf
- **Models and strategies for Vocabulary Awareness and Mastery** - This model for vocabulary instruction promotes vocabulary building and comprehension (see Slides 19 and 20 when visiting link below)
<http://www.montgomeryschoolsmd.org/departments/development/resources/ELLs/player.html>
<http://www.elltoolbox.com/vocabulary-activities.html>
- **The Language of Mathematics: Indirect Comparison - Which line is longer?**
https://mymcps-instruction.mcpsmd.org/sites/ic/_layouts/mcps.olc.home/resourceview.aspx?ResourceID=2690&ViewPage=1
- **Academic Language Function Toolkit**
<http://orh.sweetwaterschools.org/files/2012/06/Academic-Language-Functions-toolkit.pdf>

General Language Vocabulary

Select words based on students' needs to communicate in the classroom and school and to complete specific tasks.

ask, answer, question, observe, observation, infer, paraphrase, compare, similarities, differences, research, sort, group, record, read, write, edit, revise, listen, discuss, graphic organizer, storyboard, notecards, outline, journal, dictionary, definition, glossary, thesaurus, punctuation, racket/paddle, bat, ball, putter

Thinking and Academic Success Skills Vocabulary – Evaluation and Effort/Motivation/Persistence

examine, question, judge, justify, criteria, feedback, evidence, accuracy, troubleshoot, overcome, persist, strategies, diligent, goal, determined, perseverance

Specific Language Vocabulary and Technical Language Vocabulary by Content

Art	artistic heritage (e.g., style, form), artistic innovation (e.g., strategies, techniques, resources)
Health Education	<i>Special training is needed to teach family life. Students need permission from their parents to participate.</i>
Information Literacy	questioning terms (e.g., topic, driving/focus/ detailed question, cognitive/attitudinal/affective question, survey, interview, firsthand account), print/digital source terms (e.g., currency, relevance, authority, keywords, photographs, illustrations, charts, graphs, hyperlinks, headings, citation), note-taking terms (e.g., opinion, facts, definitions, details, <i>NoodleTools</i> , <i>One Note</i> , <i>Word</i>), multimedia product (e.g., intellectual freedom, Creative Commons license, audio script, multimedia poster [<i>Glogster EDU</i>], video [<i>PhotoStory</i> , <i>MovieMaker</i>], slide show [<i>Pixie</i>], <i>PowerPoint</i>)
Math	estimate, convert, partition, equal groups/shares, equivalent, place value , equation, standard algorithm, multiplication/division terms (e.g., multiplicative relationship, multiply, factor, product, partial product, divide, divisor, dividend, quotient), decimals (e.g., whole number, decimal, decimal point, tenths, hundredths, thousandths), measurement (e.g., area, perimeter, volume, square unit, cubic unit, inch, feet, yard, kilometer, meter, centimeter, millimeter), coordinate grid (e.g., origin, x-axis, y-axis, ordered pair, coordinates, horizontal, vertical), number patterns (e.g., table, rule, term, corresponding terms), shapes (e.g., polygon, convex/concave/regular polygon, equilateral, equiangular, parallel, perpendicular, equilateral triangle, rectangle, square, rhombus, trapezoid, parallelogram, hexagon, pentagon, octagon), angles (e.g. acute, obtuse, right, reflex)
Music	mood, theme, improvisation , melody, descant, lyrics, vocal expression, timbre, rhythm, syncopation, pitch, solfege, dynamics, sforzando, forte, piano, articulation, texture, orchestration, tempo (e.g., lento, largo, andante, moderato, allegro, vivace, presto, ritardando, accelerando), notation terms (e.g., notate, compose, composition, key signature, key, meter, meter signature, measure, whole step, half step, skip, leap), major/minor mode, pentatonic scale, musical styles (e.g., spiritual, scat singing, round)
Physical Education	teamwork, excuse , physical fitness (e.g., cardiorespiratory fitness, muscular strength, muscular endurance, flexibility, frequency, intensity, time, type), forehand strike, forehand grip, backhand strike, backhand grip
Reading	summary, inference, "thick" question , informational text/technical text (e.g., point of view, claim, facts, definitions, key details, reasons, evidence, main idea), text structure (e.g., (problem/solution, comparison), drama (e.g., narrator, cast of characters, dialogue, monologue, prologue, setting, stage directions, props, scenery, staging, lighting, sound effects, act, scene), literary text/poetry (e.g., theme, author's message, lesson, literal/figurative meaning, idiom, adage, proverb, alliteration, personification, imagery, hyperbole, onomatopoeia, metaphor, simile), plot elements (e.g., exposition, rising action, climax, falling action, resolution), antonym
Science and Engineering	troubleshoot, technology, scientist, engineer , microscope, (e.g., magnification, magnify, eye piece, stage, lens, adjustment knob, slide, specimen, draw to scale), living things (e.g., energy, reproduce, grow, develop, life cycle, basic needs), organisms (e.g., cells, specialized cells, structure, function, unicellular/multicellular organism, colony), genetics (e.g., characteristic, inheritance, heredity, learned trait, inherited trait, generations, offspring, DNA, genetic history)
Social Studies	tradition, technology , economic system (e.g., economy, good, service, producer, product, productivity, specialization, entrepreneurship, entrepreneur, interdependence, face-to-face, market), informed consumer (e.g., fraud, identity theft), career (e.g., job, occupation, education, skills, income, personal interests), financial planning (e.g., financial literacy, financial resources, saving, investing, loan, borrow, debt, credit, financial obligations, time value of money, opportunity cost, philanthropy, volunteer service, charities, decision-making process, identify problem/solutions, compare advantages/disadvantages of solutions, make/implement/evaluate decision)
Writing	topic, coherence , informational writing (e.g., introduction, thesis statement, opinion, body paragraph, details, facts, evidence, quote, conclusion, text features, audio script), research terms (e.g., <i>NoodleTools</i> , print/digital source, keywords, photographs, illustrations, charts, graphs, hyperlinks, headings, citation), text structure (e.g., comparison, description, problem/solution, cause/effect), personal narrative (e.g., personal essay, speech, personal experiences, events, theme, register), transition word/phrase, preposition, interjection, correlative conjunction

Note: Use this document to select the requisite academic vocabulary necessary to make the content of the curriculum comprehensible for ESOL students. Words are listed in the order they are addressed during the marking period and grouped according to the context in which they are taught. Specific Language Vocabulary used across contents is listed in **Orange** and Technical Language Vocabulary is listed in **Black**.