Nigeria Primary School (1-6) English Language Taxonomy

100	**Phonemic awareness**
200	**Phonics**
300	**Vocabulary**
400	**Concept of print**
500	**Fluency**
600	**Comprehension**
700	**Verbal Reasoning**
800	**Literature**
900	**Writing processes**
1000	**Elements of Presentation (Verbal and Written)**
1100	**Writing applications**
1200	**Grammar**
1300	**Listening and Speaking**
1400	**Forms of Text**
1500	**Sources of Text**

Other Coding Conventions
Topics:

0	**All**
999	**Out of Subject Area**

Cognitive Demands:

B	**Memorize**
C	**Perform Procedures**
D	**Demonstrate Understanding**
E	**Conjecture/Analyze**
F	**Solve Non-Routine Problems**
Z	**Non-Specific Cognitive Demand**

100	Phonemic awareness
101	Phoneme isolation(e.g.,the distinct sounds /c/,/a/,and /t/
102	Phoneme blending (e.g., c/a/t = cat)
103	Phoneme segmentation
104	Sound patterns
105	Rhyme recognition
106	Phoneme deletion, substitution, and addition
107	Identify Syllables
190	Other

200	Phonics
201	Alphabetic principle (includes alphabet recognition and order)
202	Consonants
203	Consonant blends
204	Consonant digraphs (e.g., ch, sh, th, etc.)
205	Diphthongs (e.g., oi, ou, ow, oy [as in "boy"], etc.)
206	R-controlled vowels (e.g., farm, torn, turn, etc.)
207	Patterns within words (monosyllabic,bisyllabic and polysyllabic words)
208	Vowel letters (a, e, i, o, u)
209	Vowel phonemes
210	Sound and symbol relationships
211	Blending sounds
290	Other

300	Vocabulary
301	Compound words and contractions
302	Inflectional forms (e.g., -s, -ed, -ing)
303	Suffixes, prefixes, and root words
304	Word definitions (including new vocabulary)
305	Word origins
306	Idiomatic Expressions
307	Synonyms, antonyms, homonyms
308	Word or phrase meaning from context
309	Denotation and connotation
310	Analogies
311	Sight words
312	Use of references
390	Other

400	Concept of print
401	Book handling
402	Directionality; sequence of text
403	Parts of a book (e.g., cover, title, front, back)
404	Letter, word, and sentence distinctions
405	Structural elements (e.g., index, glossary, table of contents, subtitles, and headings)
406	Graphical elements (e.g., graphs, charts, images, illustrations)
407	Technical elements (e.g., bullets, instructions, forms, sidebars)
408	Electronic elements (e.g., hypertext links, animations)
409	Environmental print, i.e. prints or symbols found in students' everyday environment
490	Other

500	Fluency
501	Phrasing, intonation, and inflection
502	Automaticity of words and phrases (e.g. sight and decodable words)
503	Reading pace and accuracy
504	Independent reading (e.g. repeated/silent reading for fluency)
590	Other
600	**Comprehension**
601	Word meaning
602	Phrase
603	Sentence
604	Paragraph
605	Main idea(s), key concepts, and sequence(s) of events
606	Descriptive elements (e.g., detail, color, condition)
607	Narrative elements (e.g., events, characters, setting, and plot)
608	Persuasive elements (e.g. propaganda, advertisement, and emotional appeal)
609	Expository or informational elements (e.g., explanation, lists, and organizational patterns such as description, cause-effect, and compare-contrast)
610	Technical elements (e.g., bullets, instruction, form, sidebars, etc.)
611	Electronic elements (e.g., hypertext links, animations)
612	Strategies (e.g., activating prior knowledge, questioning; making connections, predictions; inference, imagery, summarization, re-telling)
613	Test-taking strategies
690	Other

700	Verbal Reasoning
701	Fact and opinion
702	Appealing to authority, reason, or emotion
703	Validity and significance of assertion or argument
704	Relationships among purpose, organization, format, and meaning in text
705	Comparison of topic, theme, treatment, scope, or organization across texts
706	Inductive/deductive approaches (e.g., making inferences and drawing conclusions from texts)
707	Logical reasoning in text (e.g. implications, authors' rationale, development of argument, etc.)
708	Textual evidence and/or use of references to support
709	Drawing meaning from allegory and myth
790	Other
800	**Literature**
801	Theme/thesis
802	Purpose (e.g., inform, perform, critique, or appreciate)
803	Characteristics of genre and forms
804	Point of view (e.g., first or third person, multiple perspectives, etc.)
805	Literary devices (e.g., analogy, simile, metaphor, hyperbole, flashbacks, structure, and archetypes)
806	Literary analysis (e.g., symbolism, voice, style, tone, and mood)
807	Influence of time and place on authors and texts (e.g., historical era or culture)
808	Aesthetic aspects of text (e.g. dramatic or poetic elements)
890	Other

900	Writing processes
901	Pre-writing (e.g., essential questions, topic selection, brainstorming, etc.)
902	Drafting and revising (Guided formal letter writing, formal and informal invitations, narrative and descriptive compositions, etc.)
903	Editing for conventions (e.g., usage, spelling, and structure)
904	Manuscript conventions (e.g., indenting, margins, citations, references, etc.)
905	Final draft and publishing
906	Use of technology (e.g., word processing, multimedia, etc.)
990	Other

1000	Elements of Presentation (Verbal and Written)
1001	Purpose, audience, and context
1002	Main ideas
1003	Organization
1004	Word choice
1005	Support and elaboration
1006	Style, voice, technique, and use of figurative language
1007	Writing Conventions (e.g. capitalization, punctuation, indentation, citation, etc.)
1008	Transitional Devices
1090	Other

1100	Writing applications
1101	Narrative (e.g., stories, fiction, and plays)
1102	Poetry
1103	Expository (e.g., report, theme, essay, etc.)
1104	Critical/evaluative (e.g., review)
1105	Expressive (e.g., journals or reflections)
1106	Persuasive (e.g., editorial, advertisement, argumentative)
1107	Procedural (e.g., instructions, brochure, lab report)
1108	Technical(e.g., manuals, specifications, research
1109	Real world applications of writing (e.g., resumes, letters to editor, note taking)
1190	Other

1200	Grammar
1201	Use of syllables
1202	Spelling
1203	Capitalization and punctuation
1204	Signs and symbols (e.g., semiotics)
1205	Syntax and sentence structure
1206	Parts of speech (noun, pronoun, verbs, etc.)
1207	Grammatical analysis
1208	Direct and Indirect speeches
1209	Standard and non-standard language usage
1210	Linguistic knowledge (including dialects and diverse forms)
1290	Other

1300	Listening and Speaking
1301	Listening
1302	Public speaking & oral presentation
1303	Demonstrating confidence
1304	Nonverbal communication
1305	Effective nonverbal skills (e.g., gesture, eye contact, etc.)
1306	Consideration of others' ideas
1307	Knowledge of situational and cultural norms for expression
1308	Debate and structure of argument
1309	Dramatics and creative interpretation
1310	Selecting presentation format
1311	Literal and connotative meanings
1312	Diction, tone, syntax, convention, rhetorical structure in speech
1313	Media-supported communication
1314	Interviewing
1390	Other

1400	Forms of Text
1401	Myths, tales, fables, or epics
1402	Short stories
1403	Novels (including chapter books)
1404	Picture books
1405	Drama
1406	Poetry
1407	Public documents
1408	Consumer, technical, and business writing (e.g., manuals, how-to texts, ads, memos)
1409	Newspaper or magazine articles
1410	Speeches
1411	Essays
1412	Criticism and commentary
1413	Historical accounts
1414	Biography and autobiography
1415	Content area materials
1490	Other

1500	Sources of Text
1501	Basic readers
1502	Anthologies
1503	"Leveled" books
1504	Textbooks
1505	Children's trade books
1506	Young adult trade books
1507	Other supplementary texts
1508	Periodicals
1509	Non-print media
1590	Other

Cognitive Demand Categories for Mathematics

B	C	D	E	F
Memorize Facts, Definitions, Formulas	**Perform Procedures**	**Demonstrate Understanding of Mathematical Ideas**	**Conjecture, Analyze, Generalize, Prove**	**Solve Non-Routine Problems / Make Connections**
Recite basic mathematical facts Recall mathematics terms and definitions Recall formulas and computational procedures	Use numbers to count, order, denote Do computational procedures or algorithms Follow procedures / instructions Solve equations/formulas/ routine word problems Organize or display data Read or produce graphs and tables Execute geometric constructions	Communicate mathematical ideas Use representations to model mathematical ideas Explain findings and results from data analysis strategies Develop/explain relationships between concepts Show or explain relationships between models, diagrams, and/or other representations	Determine the truth of a mathematical pattern or proposition Write formal or informal proofs Recognize, generate or create patterns Find a mathematical rule to generate a pattern or number sequence Make and investigate mathematical conjectures Identify faulty arguments or misrepresentations of data Reason inductively or deductively	Apply and adapt a variety of appropriate strategies to solve non-routine problems Apply mathematics in contexts outside of mathematics Apply to real world situations Synthesize content and ideas from several sources