

Useful Acronyms to Understand the SAS

KAS – Kentucky Academic Standards

NGSS – Next Generation Science Standards ...aka KAS for Science or Science KAS

SAS – Science Assessment System → 3 components = SSA, TCT, CEA

SSA – State Summative Assessment

TCT – Through Course Task; implemented using the **TCT Process** – a collaborative 3 step process of planning, facilitating, and analyzing student work around a TCT

CEA – Classroom Embedded Assessment

PE – Performance Expectation (Science Standard)

SEP – Science & Engineering Practices ...aka...“practices” – *doing tools*

CCC – Crosscutting Concepts – *ways of thinking, making sense*

DCI – Disciplinary Core Ideas – *the content*

3D – SEP, CCC, & DCI *purposefully integrated in sense-making experiences*

Phenomenon/Phenomena – something that you observe (sense) that can be explained through scientific reasoning (a focus of Science KAS implementation)

Storyline – used in the SSA to guide students’ thinking in making sense of a phenomenon that is embedded within the cluster

Bundle – a grouping of 2-3 PEs for which a cluster is designed for the SSA

Cluster – A collection of assessment items for SSA around a PE bundle that provides evidence of understanding of the PEs within the bundle (*typically 2 CR and 6 SR*)

Please make suggestions of other acronyms or terms used...

List of Common Acronyms used by Next Generation Science Standards

Many abbreviations and policy terms are used throughout the NGSS and supporting materials. This document provides descriptions of these terms.

AAAS:	American Association for the Advancement of Science
AYP:	Annual Yearly Progress
BF:	Building Functions (CCSS Connection)
CC:	Counting & Cardinality (CCSS Connection)
CED:	Creating Equations (CCSS Connection)
CR:	Chemical Reactions (Topic Name)
CCR:	College and Career Ready
CCSS:	Common Core State Standards
CCC	Crosscutting Concept
DCI:	Disciplinary Core Idea
ELL:	English Language Learner
E:	Energy (Topic Name)
EE:	Expressions & Equations (CCSS Connection)
ELA:	English Language Arts
ED:	Engineering Design (Topic Name)
ES:	Earth's Systems (Topic Name)
ESEA:	Elementary and Secondary Education Act
ESS:	Earth and Space Science
ETS:	Engineering, Technology, and Applications of Science
F:	Functions (CCSS Connection)
FI:	Forces and Interactions (Topic Name)
FB:	Foundation Box
G:	Geometry (CCSS Connection)
GBE:	Grade Band Endpoint
GDRO:	Growth, Development, and Reproduction of Organisms (Topic Name)
HI:	Human Impacts (Topic Name)
HS:	High School
ID:	Interpret Data (CCSS Connection)
IDEA:	Individuals with Disabilities Education Act
IEP:	Individualized Education Program
IF:	Interpreting Functions (CCSS Connection)
IRE:	Interdependent Relationships in Ecosystems (Topic Name)
IVT:	Inheritance and Variation of Traits (Topic Name)
K:	Kindergarten
LEP:	Limited English Proficiency
LS:	Life Science
MD:	Measurement & Data (CCSS Connection)
MEOE:	Matter and Energy in Organisms and Ecosystems (Topic Name)
MS:	Middle School
NAEP:	National Assessment of Educational Progress
NAGC:	National Association for Gifted Children
NBT:	Number & Operations in Base Ten (CCSS Connection)
NCLB:	No Child Left Behind Act
NF:	Number & Operations— Fractions (CCSS Connection)

NGSS:	Next Generation Science Standards
NOS:	Nature of Science
NSTA:	National Science Teachers Association
NRC:	National Research Council
NS:	The Number System (CCSS Connection)
NSA:	Natural Selection and Adaptations (Topic Name)
NSE:	Natural Selection and Evolution (Topic Name)
NSF:	National Science Foundation
OA:	Operations & Algebraic Thinking (CCSS Connection)
PE:	Performance Expectation
PISA:	Program for International Student Assessment
PS:	Physical Sciences
Q:	Quantities (CCSS Connection)
RI:	Reading Informational Text (CCSS Connection)
RL:	Reading Literature (CCSS Connection)
RP:	Ratios and Proportional Relationships (CCSS Connection)
RST:	Reading in Science & Technical Subjects (CCSS Connection)
SEP:	Science and Engineering Practices
SF:	Structure and Function (Topic Name)
SFIP:	Structure, Function, and Information Processing (Topic Name)
SL:	Speaking & Listening (CCSS Connection)
SP:	Statistics & Probability (CCSS Connection)
SPM:	Structures and Properties of Matter (Topic Name)
SS:	Space Systems (Topic Name)
SSE:	Seeing Structure in Expressions (CCSS Connection)
STEM:	Science, Technology, Engineering, and Mathematics
STS:	Science, Technology, and Society
TELA:	Technology and Engineering Literacy Assessment
TIMSS:	Trends in International Mathematics and Science Study
W:	Waves (Topic Name)
W:	Writing (CCSS Connection)
WHST:	Writing in History/Social Studies, Science, & Technical Subjects (CCSS Connection)
WC:	Weather and Climate (Topic Name)
WER:	Waves and Electromagnetic Radiation (Topic Name)