

Science Password

1. **DESCRIPTION:** Team members will take turns guessing verbal clues for scientific terms or concepts from across all Essential Standards for Elementary Science.
2. **ESSENTIAL STANDARDS ALIGNMENT:** Vocabulary found throughout K-6 Science & Math Essential Standards
3. **TEAM OF UP TO:** 3
4. **MAXIMUM TIME:** 4 minutes per team.
5. **TEAMS:** Teams must be in groups of 2 or 3 in order to compete in this event. Teams must not bring anything with them to the competition.
6. **EVENT LEADERS:** Will provide stopwatch, 40 words printed on index cards, and score sheets.
7. **SAFETY REQUIREMENTS:** None.
8. **IMPOUND:** No
9. **THE COMPETITION:**
 - a. Teams will have 4 minutes to complete up to 40 terms.
 - b. All teams will receive the same terms in the same order. The terms will consist of one or two words coming ONLY from the list provided in these rules.
 - c. Team members will alternate giving and receiving clues. All team members must rotate turns on being the clue giver and guesser. Teams may pick the initial order of rotation. This event requires a minimum of 2 team members to participate.
 - d. The team member giving clues first will be shown one term by the judges. Timing begins when the judge shows the first team member the first term and ends when the team has correctly identified or passed the last term or when the 4-minute time period has expired. No other team member may see the term.
 - e. Clues may consist of one or two words only and may not contain any part or form of the term. Proper nouns and proper names may be used as clues however: letters, acronyms, etc. (e.g. DNA) may not be used. A hyphenated word is considered one word. Participants may not give visual clues with their hands or bodies.
 - f. Another clue may not be given until one of the responders has given a response. The responders may give multiple responses to a clue.
 - g. The event leader will indicate when the correct term is given. Different forms of the term will not be accepted with the exception of plurals and singulars, which will be accepted interchangeably (e.g. calories or calorie would be accepted).
 - h. If a team violates any of the rules regarding the use of verbal or visual communication, the term in play at the time of the violation will be counted as a pass.
 - i. Any team member (person giving or receiving clues) may choose to pass on a term. Once the team passes on a term they may not return to it.
 - j. When the team has correctly identified or passed on the term, or if a violation occurs, the next team member will be given a new term until the team has gone through their set of terms or the time expires.
10. **SCORING:**
 - a. One point will be awarded for each term correctly identified within the allotted time. The team correctly identifying the most terms will be declared the winner.
 - b. In the event of a tie, the first tiebreaker is the team with the longest string of consecutively correct words. Second tiebreaker will be the team who identifies the first word in the list passed by the other team. Third tiebreaker would be the team with the fewest words passed. The final tiebreaker is the shortest period of time to complete the list. If teams are unable to guess any of the words in 4 minutes, participation points only will be given.
11. **EVENT RESOURCES:** See the Event Resources tab on our website (ncscienceolympiad.ncsu.edu) for instructions, videos and more.

Science Password – Official Vocabulary List

absorb	coral reef	galaxy	moon	ruler
acid rain	crater	gas	motion	salinity
adapt	current	geologist	muscle	saliva
air pressure	data	global warming	nutrients	sand
angle	decay	grains	ocean	scale
asteroid	decomposer	graph	omnivore	season
astronomer	degree	grassland	orbit	sedimentary rock
atmosphere	desert	gravity	organ	seed
atom	digestion	greenhouse effect	organism	shadow
axle	digestive system	heat	ornithologist	skin
bacteria	dissolve	herbivore	ozone layer	soil
behavior	DNA	horticulture	paleontologist	solid
biologist	doctor	hurricane	parasite	solution
biomass	eardrum	ice	pattern	sound wave
biome	earthquake	iceberg	pendulum	space
bird	eclipse	igneous rock	photosynthesis	star
boiling point	ecologist	insect	physicist	stem
botanist	electricity	joint	planet	stomach
calorie	elevation	kidney	pollution	sugar
carnivore	energy	kinetic energy	population	sun
catapult	engineer	lake	potential energy	swamp
cell	environment	leaf	precipitation	symbiosis
charge	equator	lever	predator	taste buds
chemist	erosion	lift	prey	teeth
chew	estimate	light	producer	telescope
chromosome	estuary	lightning	properties	temperature
circuit	evaporation	liquid	protein	thermometer
clay	expand	magnet	pulley	thunder
climate	experiment	mammal	push	tornado
cloud	fiber	map	quadrilateral	tundra
cold front	flight	mass	quantity	velocity
comet	float	matter	recycle	vibration
compass	flower	measure	repel	viscosity
compound	food web	melt	repulsion	vitamin
compression	force	metamorphic rock	resistance	volume
condensation	forest	meteor	revolve	water cycle
conductor	fossil	meter	river	weather
constellation	fraction	migrate	rocket	weathering
consumer	friction	mineral	root	wedge
contract	fungus	molecule	rotate	wheel