

MOUSE Squad of California: A Standards-Based Program

Grade 7 Correlation



California Content Standards <i>Grade 7</i>	MOUSE Squad Task
Grade 7 English & Language Arts	
<p>1.0 Reading: Word Analysis, Fluency, and Systematic Vocabulary Development</p> <ul style="list-style-type: none"> • <u>Vocabulary and Concept Development</u> <ul style="list-style-type: none"> 1.2 – Use knowledge of Greek, Latin, and Anglo-Saxon roots and affixes to understand content-area vocabulary. 1.3 – Clarify word meanings through the use of definition, example, restatement, or contrast. <p>2.0 Reading Comprehension</p> <ul style="list-style-type: none"> • <u>Structural Features of Informational Materials</u> <ul style="list-style-type: none"> 2.1 – Understand and analyze the differences in structure and purpose between various categories of informational materials. 2.2 – Locate information by using a variety of consumer, workplace, and public documents. 2.3. Analyze text that uses the cause-and-effect organizational pattern. • <u>Comprehension and Analysis of Grade-level Appropriate Text-</u> <ul style="list-style-type: none"> 2.5 - Understand and explain the use of a simple mechanical device by following technical directions. <p>1.0 Writing Strategies</p> <ul style="list-style-type: none"> • <u>Organizational Focus</u> <ul style="list-style-type: none"> 1.1 – Create an organizational structure that balances all aspects of the composition and uses effective transitions between sentences to unify important ideas. 1.2 – Support all statements and claims with anecdotes, descriptions, facts and statistics, and specific examples. 1.3 - Use a variety of effective and coherent organizational patterns. • <u>Research and Technology</u> <ul style="list-style-type: none"> 1.4 – Identify topics; ask and evaluate questions; develop ideas leading to inquiry, investigation, and research. 1.6 – Create documents by using word-processing skills and publishing programs; develop simple databases and spreadsheets to manage information and prepare reports. 	<ul style="list-style-type: none"> • Gain proficiency in the use of a variety of technology applications including databases, spreadsheets, presentation software, and the Internet. (Modules 1, 2, 3, 4, 5, 6, 7, 8, 9) • Gain an appreciation of the use of network technology to share knowledge and resources among peers. (Modules 1, 2, 3, 4, 5, 6, 10) • Use the MOUSE Squad Ticket Tracking System to manage technical support services. (Modules 1, 4, 5, 7, 8) • Use network technology to share knowledge and resources between MOUSE Squads. (Modules 1, 2, 3, 4, 6, 7, 9, 10) • Create reports using MOUSE Squad data, use software applications to communicate information related to the school’s technology environment. (Modules 1, 2, 3, 4, 5, 6, 7, 8, 9, 10) • Use the MOUSE Squad Ticket Tracking System to identify and analyze trends within school technical support needs. (Modules 1, 2, 3, 4, 5, 6, 8, 9, 10) • Use online knowledge bases, forums, and other web resources to efficiently find solutions to technical problems. (Modules 1, 2, 3, 4, 5, 6, 7, 8, 9, 10) • Be able to identify and explain the functions of basic internal and external computer components. (Modules 1, 2, 3, 4, 5, 6, 8, 9, 10) • Be able to demonstrate troubleshooting and problem-solving strategies. (Modules 1, 2, 3, 4, 5, 6, 7, 8, 9, 10) • Be able to develop troubleshooting flow charts to aid in targeting and resolving common technical problems. (Modules 1, 3, 6, 7)

MOUSE Squad of California: A Standards-Based Program

Grade 7 Correlation



<ul style="list-style-type: none"> • <u>Evaluation and Revision</u> 1.7 – Revise writing to improve organizations and word choice after checking the logic of the ideas and the precision of the vocabulary. <p>2.0 Writing Applications</p> <ul style="list-style-type: none"> • <u>Genres and Their Characteristics</u> 2.3 - Write research reports. 2.5 – Write summaries of reading materials. <p>1.0 Written and Oral English Language</p> <ul style="list-style-type: none"> • <u>Written and Oral English Language Conventions</u> 1.1 – 1.5 – Write and speak with a command of standard English conventions appropriate to this grade level. <p>1.0 Listening and Speaking</p> <ul style="list-style-type: none"> • <u>Listening and Speaking Strategies - Comprehension</u> 1.1 – Ask probing questions to elicit information, including evidence to support the speaker’s claims and conclusions. 1.2 – Determine the speaker’s attitude toward the subject. 1.3 Respond to persuasive messages with questions, challenges, or affirmations. • <u>Listening and Speaking Strategies – Organization and Delivery</u> 1.4 – Organize information to achieve particular purposes and to appeal to the background and interests of the audience. 1.5 – Arrange supporting details, reasons, descriptions, and examples effectively and persuasively in relation to the audience. 1.6 – Use speaking techniques, including voice modulation, inflection, tempo, enunciation, and eye contact, for effective presentations. • <u>Listening and Speaking Strategies – Analysis and Evaluation</u> 1.8 – Analyze the effect on the viewer of images, text, and sound in electronic journalism; identify the techniques used to achieve the effects in each instance studied. <p>2.0 Speaking Applications</p> <ul style="list-style-type: none"> • <u>Speaking Strategies</u> 2.5 – Deliver research presentations. 	<ul style="list-style-type: none"> • Be able to demonstrate the use of the MOUSE Squad ticket filing system. (Modules 1, 2, 3, 4, 5, 6, 7, 8, 9, 10) • Be able to identify and explain differences between an industry help desk and the MOUSE Squad help desk. (Modules 1, 2, 3, 4, 9, 10) • Can implement strategies for dealing with difficult clients. (Modules 1, 2, 3, 4, 7, 8, 9, 10) • Gives clear directions and can teach others how to perform technical tasks. (Modules 1, 2, 3, 4, 9, 10) • Practices the use of the MOUSE Squad Ticket Tracking System. (Modules 1, 2, 3, 4, 5, 6, 7, 8, 9, 10) • Reads technical information (online and print-based) to solve problems. (Modules 1, 2, 3, 4, 5, 6, 7, 8, 9, 10) • Communicates well with others in such capacities as: helping teachers and students learn how to operate computers correctly; showing them how to correct ‘user error;’ and updating clients as to the status of a ticket request. (Modules 1, 2, 3, 4, 9, 10) • Be able to explain what a help desk is and how it functions. (Modules 1, 2, 3, 4, 9, 10) • Be able to explain the benefits of the MOUSE Squad program for individuals and schools. (Modules 1, 2, 3, 4, 9, 10) • Be able to demonstrate troubleshooting and problem solving strategies. (Modules 1, 2, 3, 4, 9, 10)
--	---

MOUSE Squad of California: A Standards-Based Program

Grade 7 Correlation



California Content Standards Grade 7	MOUSE Squad Task
Grade 7 Mathematics	
<p>1.0 Number Sense</p> <ul style="list-style-type: none"> • <u>Computation</u> <ul style="list-style-type: none"> 1.2 – Add, subtract, multiply, and divide rational numbers in scientific notation. 1.3 – Convert fractions to decimals and percents and use these representations in estimations, computations, and applications. 1.6 – Calculate the percentage of increases or decreases in a quantity. 1.7 – Solve problems that involve discounts, markups, commissions, and profit and compute simple compound interest. <p>2.0 Number Sense</p> <ul style="list-style-type: none"> • <u>Exponents, Powers, and Roots</u> <ul style="list-style-type: none"> 2.2 – Add and subtract fractions by using factoring to find common denominators. <p>1.0 Algebra and Functions</p> <ul style="list-style-type: none"> • <u>Quantitative Relationships</u> <ul style="list-style-type: none"> 1.5 – Represent quantitative relationships graphically and interpret the meaning of a specific part of a graph in the situation represented by the graph. <p>1.0 Measurement and Geometry</p> <ul style="list-style-type: none"> • <u>Units of Measure</u> <ul style="list-style-type: none"> 1.2 – Construct and read drawings and models made to scale. <p>1.0 Statistics, Data Analysis, and Probability</p> <ul style="list-style-type: none"> • <u>Collect, Display, Analyze, Compare, and Interpret</u> <ul style="list-style-type: none"> 1.1 – Know various forms of display for data sets, including stem-and-leaf plot or box-and whisker plot; use the forms to display a single set of data or to compare two sets of data. 1.2 – Represent two numerical variables on a scatter plot and informally describe how the data points are distributed and any apparent relationship that exists between the two variables. 	<ul style="list-style-type: none"> • Troubleshoot and resolve basic hardware and software problems related to computers and peripherals. (Modules 1, 2, 4, 5, 6, 7, 8) • Use MOUSE Squad data to inform decisions about hardware and software deployment. (Modules 1, 2, 4, 5, 9, 10) • Use the MOUSE Squad Ticket Tracking System to identify and analyze trends within school technical support needs. (Modules 1, 2, 3, 4, 5, 6, 7, 8, 9, 10) • Use software utilities to troubleshoot technical problems. (Modules 1, 2, 3, 4, 5, 6, 7, 8, 9) • Use the MOUSE Squad Ticket Tracking System to develop strategies for reducing school technical support needs. (Modules 1, 2, 4, 5, 6, 7, 8) • Be able to demonstrate general troubleshooting and problem solving strategies. (Modules 1, 2, 3, 4, 5, 6, 7, 8, 9, 10) • Be able to identify and test cable connections, configure, and install and remove various internal components. (Modules 1, 2, 3, 4, 5, 6, 8, 9, 10) • Be able to adjust virtual memory settings to extend the capabilities of a computer's built-in RAM. (Modules 1, 2, 3, 4, 5, 6, 7, 8, 9, 10) • Be able to identify and evaluate things on a Local Area Network (LAN). (Modules 1, 2, 3, 4, 5, 6, 7, 8, 9, 10)

MOUSE Squad of California: A Standards-Based Program

Grade 7 Correlation



<p>1.3 – Understand the meaning of, and be able to compute the minimum, the median, and the maximum of a data set.</p> <p>1.0 Mathematical Reasoning</p> <ul style="list-style-type: none"> • <u>Problem Analysis</u> <ul style="list-style-type: none"> 1.1 - Analyze problems by identifying relationships, distinguishing relevant from irrelevant information, identifying mission information, sequencing and prioritizing information, and observing patterns. 1.3 – Determine when and how to break a problem into simpler parts. <p>2.0 Mathematical Reasoning</p> <ul style="list-style-type: none"> • <u>Problem Solving Strategies</u> <ul style="list-style-type: none"> 2.1 – Use estimation to verify the reasonableness of calculated results. 2.2 – Apply strategies and results from simpler problems to more complex problems. 2.5 – Use a variety of methods, such as words, numbers, symbols, charts, graphs, tables, diagrams, and models, to explain mathematical reasoning. 2.6 – Express the solution clearly and logically by using the appropriate mathematical notation and terms and clear language; support solutions with evidence in both verbal and symbolic work. 2.8 Make precise calculations and check the validity of the results form the context of the problem. <p>3.0 Mathematical Reasoning</p> <ul style="list-style-type: none"> • <u>Problem Solving Generalization</u> <ul style="list-style-type: none"> 3.1 - Evaluate the reasonableness of the solution in the context of the original situation. 3.2 - Note the method of deriving the solution and demonstrate a conceptual understanding of the derivation by solving similar problems. 3.3 – Develop generalizations of the results obtained and apply them in other circumstances. 	<ul style="list-style-type: none"> • Perform the duties of an information manager and collect and analyze data to continually improve the Squad’s ability to support clients. (Modules 1, 2, 4, 5, 6, 9, 10) • Implement a technology inventory. (Modules 1, 2, 3, 4, 5, 6, 7, 8, 9, 10) • Be able to develop troubleshooting flow charts to aid in targeting and resolving common technical problems. (Modules 1, 2, 3, 4, 5, 6, 7, 8, 9, 10) • Can identify and test cable connections, configure Internet browsers for Internet connection, and install and remove various internal components. (Modules 1, 2, 3, 4, 5, 6, 7, 8, 9, 10) • Be able to configure the TCP/IP control panels to enable computers to access the Internet and network services. (Modules 1, 2, 3, 4, 5, 6, 7, 8, 9, 10) • Be able to connect and set up a computer. (Modules 1, 2, 3, 4, 5, 6, 7, 8, 9, 10) • Be able to perform the routine duties of a MOUSE Squad technician as it relates to troubleshooting and problem solving technical problems and conducting routine maintenance of computers and peripherals. (Modules 1, 2, 3, 4, 9, 10) • Be able to calculate and analyze data regarding MOUSE Squad activities. (Modules 1, 2, 3, 4, 5, 6, 7, 8, 9, 10)
---	---

MOUSE Squad of California: A Standards-Based Program

Grade 7 Correlation



California Content Standards <i>Grade 7</i>	MOUSE Squad Task
Grade 7 Science	
<ul style="list-style-type: none"> • <u><i>Investigation and Experimentation</i></u> 7.a. – Select and use appropriate tools and technology to perform tests, collect data, and display data. 7.b. – Use a variety of print and electronic resources to collect information and evidence as part of a research project. 7.c. – Communicate the logical connection among hypotheses, science concepts, tests conducted, data collected, and conclusions drawn from the scientific evidence. 7.d. – Construct scale models, maps, and appropriately labeled diagrams to communicate scientific knowledge. 7.e. – Communicate the steps and results from an investigation in written reports and oral presentations. 	<p style="text-align: center;"><i>Using Information to Solve Problems: Higher Order Thinking Skills</i></p> <ul style="list-style-type: none"> • Troubleshoot and resolve basic hardware and software problems related to computers and peripherals. (Modules 1, 2, 4, 5, 6, 7, 8) • Use MOUSE Squad data to inform decisions about hardware and software deployment. (Modules 1, 2, 4, 5, 9, 10) • Use software utilities to troubleshoot technical problems. (Modules 1, 2, 3, 4, 5, 6, 7, 8, 9) • Be able to identify and test cable connections, configure, and install and remove various internal components. (Modules 1, 2, 3, 4, 5, 6, 7, 8, 9, 10) • Be able to identify and evaluate things on a Local Area Network (LAN). (Modules 1, 2, 3, 4, 5, 6, 7, 8, 9, 10) • Be able to identify and explain the differences between an industry help desk and the MOUSE Squad help desk. (Modules 1, 2, 3, 4, 9, 10) • Be able to perform the routine duties of a MOUSE Squad technician as it relates to troubleshooting and problem solving technical problems and conducting routine maintenance of computers and peripherals. (Modules 1, 2, 3, 4, 9, 10) • Be able to calculate and analyze data regarding MOUSE Squad activities. (Modules 1, 2, 3, 4, 5, 6, 7, 8, 9, 10)

MOUSE Squad of California: A Standards-Based Program

Grade 7 Correlation



California Content Standards Grade 7	MOUSE Squad Task
Grade 7 Visual & Performing Arts	
<p>5.0 <i>Connections, Relationships and Applications</i></p> <ul style="list-style-type: none"> • <u>Life Skills</u> 5.3 – Appraise how time management, listening, problem solving, and teamwork skills used with other[s]... can be applied to other group activities. 	<p style="text-align: center;"><i>Life Skills</i></p> <ul style="list-style-type: none"> • Gain first-hand knowledge of the impact of irresponsible uses of technology resources. (Modules 1, 3, 7, 8, 9) • Perform the duties of a team leader by analyzing and planning the work of the entire MOUSE Squad. (Modules 1, 2, 3, 4, 5, 9, 10) • Works well with other technicians to solve problems and conduct routine maintenance. (Modules 1, 2, 3, 4, 9, 10) • Upholds the responsibilities of given role on the team (e.g. technician, team leader, information manager). (Modules 1, 2, 3, 4, 9, 10) • Works together to set up, launch, and manage a MOUSE Squad help desk. (Modules 1, 2, 3, 4, 9, 10) • Works well with clients (e.g. is respectful, trustworthy, good communicator, etc.). (Modules 1, 2, 3, 4, 9, 10) • Can implement strategies for dealing with difficult clients. (Modules 1, 2, 3, 4, 9, 10) • Makes a commitment to the MOUSE Squad and takes the MOUSE Squad pledge. (Modules 1, 2, 3, 4, 5, 6, 7, 8, 9, 10) • Takes responsibility for doing the best work possible on the MOUSE Squad. (Modules 1, 2, 3, 4, 5, 6, 7, 8, 9, 10)