

MOUSE Squad of California: A Standards-Based Program

Grade 6 Correlation



California Content Standards <i>Grade 6</i>	MOUSE Squad Task
Grade 6 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"> 1.4 – Monitor expository text for unknown words or words with novel meanings by using word, sentence and paragraph clues to determine meaning. <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 – Identify the structural features of popular media and use the features to obtain information. • <u>Comprehension and Analysis of Grade-level Appropriate Text</u> <ul style="list-style-type: none"> 2.3 – Connect and clarify main ideas by identifying their relationships to other sources and related topics. 2.4 – Clarify an understanding of texts by creating outlines, logical notes, summaries, or reports. 2.5 – Follow multiple-step instructions for preparing applications. <p>1.0 Writing Strategies</p> <ul style="list-style-type: none"> • <u>Organizational Focus</u> <ul style="list-style-type: none"> 1.1 – Choose the form of writing that best suits the intended purpose. 1.2 – Create multiple paragraph expository compositions. 1.3 – Use a variety of effective and coherent organizational patterns. • <u>Research and Technology</u> <ul style="list-style-type: none"> 1.4 – Use organizational features of electronic text to locate relevant information. 1.5 – Compose documents with appropriate formatting by using word processing skills and principles of design. • <u>Evaluation and Revision</u> <ul style="list-style-type: none"> 1.6 – Edit and revise manuscripts to improve the meaning and focus of writing. <p>2.0 Writing Applications</p>	<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)

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<ul style="list-style-type: none">• <u>Genres and Their Characteristics</u><ul style="list-style-type: none">2.2 – Write expository compositions.2.3 - Write research reports. <p>1.0 Written and Oral English Language</p> <ul style="list-style-type: none">• <u>Written and Oral English Language Conventions</u><ul style="list-style-type: none">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><ul style="list-style-type: none">1.1 – Relate the speaker’s verbal communication to the non-verbal message.1.2 – Identify the tone, mood, and emotion conveyed in the oral communication.1.3 – Restate and execute multiple-step oral instructions and directions.• <u>Listening and Speaking Strategies – Organization and Delivery</u><ul style="list-style-type: none">1.4 – Select a focus, an organizational structure, and a point of view, matching the purpose, message, occasion, and vocal modulation to the audience.1.5 – Emphasize the salient points to assist the listener in following the main ideas and concepts.1.6 – Support opinions with detailed evidence and with visual or media displays that use appropriate technology. <p>2.0 Speaking Applications</p> <ul style="list-style-type: none">• <u>Speaking Strategies</u><ul style="list-style-type: none">2.5 – Deliver presentations on problems and solutions.	<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)
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California Content Standards <i>Grade 6</i>	MOUSE Squad Task
Grade 6 Mathematics	
<p>1.0 Number Sense</p> <ul style="list-style-type: none"> • <u>Computation</u> <ul style="list-style-type: none"> 1.2 – Interpret and use ratios in different contexts. 1.4 – Calculate given percentages of quantities and solve problems involving discounts at sales, interest earned, and tips. <p>2.0 Number Sense</p> <ul style="list-style-type: none"> • <u>Basic Operations</u> <ul style="list-style-type: none"> 2.3 – Solve addition, subtraction, multiplication, and division problems, including those arising from concrete situations, which use positive and negative integers and combinations of these operations. <p>1.0 Algebra and Functions</p> <ul style="list-style-type: none"> • <u>Computation and Interpretation</u> <ul style="list-style-type: none"> 1.1 – Write and solve one-step linear equations in one variable. <p>2.0 Algebra and Functions</p> <ul style="list-style-type: none"> • <u>Analysis and Problem Solving</u> <ul style="list-style-type: none"> 2.1 – Convert one unit of measurement to another. <p>1.0 Statistics, Data Analysis, and Probability</p> <ul style="list-style-type: none"> • <u>Display, Analyze, Compare, and Interpret</u> <ul style="list-style-type: none"> 1.1 – Compute the range, mean, median, and mode of data sets. 1.2 – Understand how additional data added to data sets may affect these computations of measures of central tendency. 1.4 – Know why a specific measure of central tendency provides the most useful information in a given context. <p>2.0 Statistics, Data Analysis, and Probability</p> <ul style="list-style-type: none"> • <u>Characteristics and Limitations of Samples</u> <ul style="list-style-type: none"> 2.1 – Compare different samples of a population with the data from the entire population and identify a situation in which it makes sense to use a sample. 	<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) • 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)

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2.3 – Analyze data displays and explain why the way in which a question was asked might influence the results obtained and why the way in which results were displayed may have influenced the conclusions reached.

2.5 – Identify claims based on statistical data and, in simple cases, evaluate the validity of the claims.

3.0 Statistics, Data Analysis, and Probability

- Experimental Probabilities and Predictions

3.1 - Represent all possible outcomes for compound events in an organized way.

3.2 - Use data to estimate the probability of future events.

3.3 - Represent probabilities as ratios, proportions, decimals, and percents.

1.0 Mathematical Reasoning

- Problem Analysis

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.

2.0 Mathematical Reasoning

- Problem Solving Strategies

2.1 – Use estimation to verify the reasonableness of calculated results.

2.2 – Apply strategies and results from simpler problems to more complex problems.

2.4 – Use a variety of methods, such as words, numbers, symbols, charts, graphs, tables, diagrams, and models, to explain mathematical reasoning.

2.5 – 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.

2.7 Make precise calculations and check the validity of the results form the context of the problem.

- 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**)

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3.0 Mathematical Reasoning

- Problem Solving Generalization

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.

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California Content Standards <i>Grade 6</i>	MOUSE Squad Task
Grade 6 Science	
<ul style="list-style-type: none"> • <u>Physical Science</u> 3.c. – Students know heat flows in solids by conductions and in fluids by conduction and by convection. 3.d. – Students know heat energy is also transferred between objects by radiation. • <u>Investigation and Experimentation</u> 7.a. – Develop a hypothesis. 7.b. – Select and use appropriate tools and technology to perform tests, collect data, and display data. 7.c. – Construct appropriate graphs from data and develop qualitative statements about the relationships between variables. 7.d. – Communicate the steps and results from an investigation in written reposts ad oral presentations. 7.e. – Recognize whether evidence is consistent with a proposed explanation. 	<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)

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California Content Standards <i>Grade 6</i>	MOUSE Squad Task
Grade 6 Visual & Performing Arts	
<p><i>3.0 Historical and Cultural Context</i></p> <ul style="list-style-type: none"> • Development of Visual Arts <ul style="list-style-type: none"> 3.1 – Research and discuss the role of the visual arts in selected periods of history, using a variety of resources (print and electronic). • <u>Careers</u> <ul style="list-style-type: none"> 5.2 – Research career opportunities in media, advertising, marketing, and interactive web design. 	<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)