

MOUSE Squad of California: A Standards-Based Program

Grade 8 Correlation



California Content Standards <i>Grade 8</i>	MOUSE Squad Task
Grade 8 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> 1.3 – Use word meanings within the appropriate context and show ability to verify those meanings by definition, restatement, example, comparison, or contrast. <p>2.0 Reading Comprehension</p> <ul style="list-style-type: none"> • <u>Structural Features of Informational Materials</u> 2.1 – Compare and contrast the features and elements of consumer materials to gain meaning from documents • <u>Comprehension and Analysis of Grade-level Appropriate Text-</u> 2.5 - Understand and explain the use of a complex mechanical device by following technical directions. 2.6 - Use information from a variety of consumer, workplace, and public documents to explain a situation or decision and to solve a problem. <p>1.0 Writing Strategies</p> <ul style="list-style-type: none"> • <u>Organizational Focus</u> 1.1 – Create compositions that establish a controlling impression, have a coherent thesis, and end with a clear and well-supported conclusion. 1.3 – Support theses and conclusions with analogies, paraphrases, quotations, opinions from authorities, comparisons, and similar devices. • <u>Research and Technology</u> 1.4 – Plan and conduct multiple-step information searches by using computer networks and modems. • <u>Evaluation and Revision</u> 1.6 – Revise writing for word choice, appropriate organization, consistent point of view, and transitions between paragraphs, passages, and ideas. 	<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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2.0 Writing Applications

- Genres and Their Characteristics
2.3 - Write research reports.
2.6 - Write technical documents.

1.0 Written and Oral English Language

- Written and Oral English Language Conventions
1.1 - 1.6 - Write and speak with a command of standard English conventions appropriate to this grade level.

1.0 Listening and Speaking

- Listening and Speaking Strategies - Comprehension
1.2 - Paraphrase the speaker's purpose and point of view and ask relevant questions concerning the speaker's content, delivery, and purpose.
- Listening and Speaking Strategies - Organization and Delivery
1.3 - Organize information to achieve particular purposes by matching the message, vocabulary, voice modulation, expression, and tone to the audience and purpose.
1.5 - Use precise language, action verbs, sensory details, appropriate ad colorful modifiers, and the active voice in ways that enliven oral presentations.
1.6 - Use appropriate grammar, word choice, enunciation, and pace during formal presentations.
1.7 - Use audience feedback.
- Listening and Speaking Strategies - Analysis and Evaluation
1.9 - Interpret and evaluate the various ways in which visual image-makers communicate information and affect impressions and opinions.

2.0 Speaking Applications

- Speaking Strategies
2.3 - Deliver research presentations.

- 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 8</i>	MOUSE Squad Task
Grade 8 Mathematics	
<p>Algebra 1</p> <ul style="list-style-type: none"> • <u>Problem Solving</u> 5.0 - Students solve multi-step problems, including word problems, involving linear equations and linear inequalities in one variable and provide justification for each step. • 15.0 – Students apply algebraic techniques to solve rate problems, work problems, and percent mixture problems. • 24.0 – Students use and know simple aspects of a logical argument. <ul style="list-style-type: none"> 24.1 – Students explain the difference between inductive and deductive reasoning and identify and provide examples of each. 24.2 – Students identify the hypothesis and conclusion in a logical deduction. 24.3 – Students use counter-examples to show that an assertion is false and recognize that a single counter-example is sufficient to refute an assertion. 	<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)

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- 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**)

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California Content Standards <i>Grade 8</i>	MOUSE Squad Task
Grade 8 Science	
<ul style="list-style-type: none"> • <u>Investigation and Experimentation</u> 9.a. – Plan and conduct a scientific investigation to test a hypothesis. 9.b. – Evaluate the accuracy and reproducibility of the data. 9.c. – Distinguish between variable and controlled parameters in a test. 9.e. – Construct appropriate graphs from data and develop quantitative statements about the relationship between variables. 9.f. – Apply a simple mathematical relationship to determine a missing quantity in a mathematical expression. 	<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 8</i>	MOUSE Squad Task
Grade 8 Visual & Performing Arts	
<p>5.0 <i>Connections, Relationships, and Applications</i></p> <ul style="list-style-type: none"> • <u>Visual Literacy</u> 5.3 – Demonstrate an understanding of the effects of visual communication media on all aspects of society. • <u>Application Across Disciplines</u> 5.1 – Identify and compare how learning habits acquired from dance (e.g. memorization, research, practice) can be applied to the study of other school subjects. 5.2 – Describe how [dance]... builds positive mental, physical, and health-related practices (e.g. discipline, stress management) 	<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)