

# **Mastery Manager Training Agenda**

Mastery Manager training is conducted in a three-hour session and will consist of the following:

#### A. Introductions

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B. Mastery Manager – What is it?

#### C. Hands-on Training

- Mastery Manager Support Resources
- Assessment Creation and Management
  - o Properties
  - Answer Key/Layout
  - o Weights
    - Performance Events with Bubble Descriptors (checklist)
    - Rubric-Scored Questions
  - o Standards
    - Aligning for the Assessment
  - o Rubric Management
    - Standards
    - Duplicating
    - Sharing
  - o Duplicating an Assessment
- Assessment Administration/Scoring
  - Preparing Student Answer Forms
  - o Scanning and Scoring an Assessment
  - o Inputting Performance Event Scores Online
- Overview of Reports
  - o Single Assessment vs. Multiple Assessment Reports
  - o Report Scavenger Hunt
  - o Report Quick Guide
  - o Gradebook Paste
  - Longitudinal Reports
    - Student Trend Report
    - Longitudinal Comparison Report
- Post-Assessment Management
  - Archiving Assessments
- Mastery Manager Support Resources





### **Mastery Manager Answer Form**





# Mastery Manager Sample Test: GSL Placement Test

1. Ms. Adams bought a refrigerator that cost \$1200, including tax. The cost of electricity to run this refrigerator is estimated at \$78 per year. Which equation best represents *c*, the total cost of the refrigerator including electricity over *n* years of operation?

**A.** *c* = 1200(78*n*) **B.** *c* = 1200(*n* + 78)

**C.** *c* = 1200 – 78*n* 

**D.** *c* = 1200 + 78*n* 

(CC) College- and Career-Readiness Standards and K-12 Mathematics Common Core State Standards (2010) MA.9-12.HSA-SSE.2

#### 2. Read the sentence.

The oil on the mirror <u>distorted</u> my reflection, making my eyes, nose, and mouth appear unrecognizable.

### What does the underlined word in this sentence mean? Choose all that apply.

- F. angled
- **G.** mutated
- H. warped
- J. discolored
- The term Manifest Destiny directly relates to which recurring theme in U.S. history during the 1800s?
  - A. abolition
  - B. federalism
  - C. social reform
  - **D.** territorial expansion

- 4. In 1954, which basic principle of the U.S.
  Constitution did the Supreme Court rule on in the case of *Brown v. Board of Education of Topeka*?
  - F. trial by jury
  - G. freedom of speech
  - H. equal protection of the law
  - J. separation of church and state



5. Identify the best English translation for the following Spanish phrase:

Está muy viejo para su edad.

- **1.** The house looks very old.
- **2.** *He is wearing very old clothes.*
- **3.** He looks very old for his age.
- **4.** How old is your cat?
- **5.** How old is your dog?
- 6. Fill in the grid with your answer on the answer form.

What is the probability that a family with 4 children will have exactly 2 girls and 2 boys?

7. Use the chart below to graph results.

| Reduced CO2 Emission Factor | Million Metric Tons |
|-----------------------------|---------------------|
|                             | Per Year Reduction  |
| NG Fuel Switching           | 215                 |
| CAFÉ Standards              | 205                 |
| Efficiency + Recession      | 190                 |
| Wind Power                  | 90                  |
| Biofuels                    | 15                  |
| Hydro Power                 | 10                  |
| Solar Power                 | 2                   |





### *Questions 8, 9, and 10 will be scored using the following rubric:*

|                | <b>3</b><br>Meets Standards  | <b>2</b><br>Approachina   | <b>1</b><br>Below Standards  | <b>0</b><br>Unable to Assess               |
|----------------|--|---|--|--|
|                |  | Standards   |  |  |
| Identification | <u>Identifies name</u><br><u>including</u><br><u>properties</u> and<br>provides one real<br>world example. | <u>Either names or</u><br>gives a real world<br>example.                            | Attempt made to<br>identify name<br>correctly and give<br>a real world<br>example. | No answer<br>attempted.                    |
| Explanation    | Provides correct<br>answer with a<br><u>complete</u><br><u>explanation</u> .                               | Provides correct<br>answer with a<br><u>nearly complete</u><br><u>explanation</u> . | Provides answer<br>with <u>minimal</u><br><u>explanation.</u>                      | <u>No answer</u> or explanation attempted. |

#### **GSL Science Rubric**

| 8.  | 9.  | 10.   |  |
|---|---|---|--|
| 3<br>Li   | 79<br><b>Au</b>                                     | 26<br><b>Fe</b>                                     |  |
| 6.94  | 196.97  | 55.845  |  |
| Element Name  | Element Name  | Element Name  |  |
|   |   |   |  |
| Real World Example                                  | Real World Example                                  | Real World Example                                  |  |
|   |   |   |  |
| Element Attributes                                  | Element Attributes                                  | Element Attributes                                  |  |
| Protons:<br>Automatic Mass:<br>Explain your answer: | Protons:<br>Automatic Mass:<br>Explain your answer: | Protons:<br>Automatic Mass:<br>Explain your answer: |  |



## **Mastery Manager Student Answer Form with Full Rubric**

| GSL Second  | lary Test   | 3 6 1<br>•O•O•(  | 9 0 1<br>00°••   | 4 5 4   | 00000   | •0•0•0   |
|---|---|--|--|---|---|--|
| Student Name: Adams, Abigail<br>Building: Franklin Smith Ele<br>Teacher Name: Teacher 1723<br>Course: Grade 03 (Teacher<br>Section: 3<br>Page: 1 of 2   | ementary (16)<br>er 1723)   | $1 \bigcirc 1 \bigcirc 1$<br>$2 \bigcirc 2 \bigcirc 2$<br>$3 \bigcirc 3 \bigcirc 3$<br>$4 \bigcirc 4 \bigcirc 4$<br>$5 \bigcirc 5 \bigcirc 5$<br>$6 \bigcirc 6 \bigcirc 6$<br>$7 \bigcirc 7 \bigcirc 7$<br>$8 \bigcirc 8 \oslash 8$<br>$9 \bigcirc 9 \bigcirc 9$ | $\begin{array}{c} 1 \\ 2 \\ 2 \\ 3 \\ 3 \\ 3 \\ 3 \\ 3 \\ 3 \\ 3 \\ 3$   | $\begin{array}{c} 1 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\$  | $) 1 \bigcirc 1 \bigcirc 1 \bigcirc 1 \bigcirc 2 \bigcirc 2 \bigcirc 2 \bigcirc 2 \bigcirc 2 \bigcirc 2 \bigcirc$ | $ \begin{array}{c} 1 \bigcirc 1 \bigcirc 1 \bigcirc 2\\ 2 \bigcirc 2 \bigcirc 2\\ 3 \bigcirc 3 \bigcirc 3 \bigcirc 3\\ 4 \bigcirc 4 \bigcirc 4 \bigcirc 4\\ 5 \bigcirc 5 \bigcirc 5 \bigcirc 5\\ 6 \bigcirc 6 \bigcirc 6 \bigcirc 6\\ 7 \bigcirc 7 \bigcirc 7 \bigcirc 7\\ 8 \bigcirc 8 \oslash 8 \bigcirc 8\\ 9 \bigcirc 9 \bigcirc 9 \bigcirc 9 \bigcirc 9\\ \end{array} $ |
| 1       0       0         A       B       C         2       0       0         F       G       J         3       0       0         A       B       C         4       0       0         5       0       0         1       2       3         4       0       0         5       0       0         1       2       3         4       0       0         1       2       3         4       0       0         5       0       0         1       2       3         6       Image: Constant State         9       0       0         1       1       1         1       1       1         1       1       1         1       1       1         1       1       1         2       2       2         3       3       3         1       1       1         1       1       1         2       2       2 | econdary Test (6 M.C.<br>ring   Weights   Standards   Secti<br>for selected students<br>idents (1374 total)<br>g these options-<br>other question<br>:sides of the form<br>Teacher Name on the form<br>ons @<br>answer key<br>forms to print: 0<br>for student use<br>for student use<br>Consolidate<br>Do not inclu<br>Print full rub<br>for teacher use | / 4 P.E.)<br>ions   Duplicate   Ansi<br>assigned to the<br>assigned to the<br>1. Clic<br>2. Self<br>3. Self<br>studer<br>4. Self<br>5. Ger   | swer Key / Layout  <br>his assessment<br>int student ansis<br>ect Print forms.<br>ect Print full ru-<br>herate forms to<br>as on student forms<br>sible @<br>ble | Versions   View Setur<br>wer forms with<br>s link.<br>for student use<br>formance event<br>ubric on student<br>o preview. | I Status   Online Forms To Preview  | Scan   Input   Reports   |



# Mastery Manager Student Answer Form with Full Rubric (continued)

| GSL   | Secondary Test  |  |   | 0000000000  |  |
|---|---|--|---|---|--|
| Student Name: Adams, A<br>Building: Franklin S<br>Teacher Name: Teacher 1<br>Course: Grade 03<br>Section: 3<br>Page: 2 of 2 | bigail<br>Smith Elementary (16)<br>1723<br>(Teacher 1723)   | $ \begin{array}{c} 1 \\ 0 \\ 1 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$            | $\begin{array}{c} 1 \\ 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\$                                  | 1       1 |  |
| 8 Performance - Teacher use onl   | у   |  |   |   |  |
|   | 3.0<br>Meets Standards  | 2.0<br>Approaching Standards   | 1.0<br>Below Standards  | 0.0<br>Unable to Assess   |  |
| Identification  | <ul> <li>Identifies name<br/>including properties<br/>and provides one real<br/>world example.</li> </ul> | <ul> <li>Either names including<br/>properties or gives a<br/>real world example.</li> </ul> | <ul> <li>Attempt made to<br/>identify name<br/>correctly and give a<br/>real world example</li> </ul> | O No answer attempted.  |  |
| Explanation   | <ul> <li>Provides correct<br/>answer with a<br/>complete explanation.</li> </ul>                          | O Provides correct<br>answer with a nearly<br>complete explanation.                          | O Provides answer with<br>minial explanation.   | O No answer or<br>explanation<br>attempted.   |  |
| 9 Performance - Teacher use onl   | y   |  |   |   |  |
|   | 3.0<br>Meets Standards  | 2.0<br>Approaching Standards   | 1.0<br>Below Standards  | 0.0<br>Unable to Assess   |  |
| Identification  | <ul> <li>Identifies name<br/>including properties<br/>and provides one real<br/>world example.</li> </ul> | <ul> <li>Either names including<br/>properties or gives a<br/>real world example.</li> </ul> | <ul> <li>Attempt made to<br/>identify name<br/>correctly and give a<br/>real world example</li> </ul> | O No answer attempted.  |  |
| Explanation   | O Provides correct<br>answer with a<br>complete explanation.  | O Provides correct<br>answer with a nearly<br>complete explanation.                          | O Provides answer with<br>minial explanation.   | O No answer or<br>explanation<br>attempted.   |  |
| 10 Performance - Teacher use only   |   |  |   |   |  |
|   | 3.0<br>Meets Standards  | 2.0<br>Approaching Standards   | 1.0<br>Below Standards  | 0.0<br>Unable to Assess   |  |
| Identification  | <ul> <li>Identifies name<br/>including properties<br/>and provides one real<br/>world example.</li> </ul> | <ul> <li>Either names including<br/>properties or gives a<br/>real world example.</li> </ul> | <ul> <li>Attempt made to<br/>identify name<br/>correctly and give a<br/>real world example</li> </ul> | O No answer attempted.  |  |
| Explanation   |   | complete explanation   | nt Forms  | No answer or<br>explanation<br>attempted  |  |



## Mastery Manager Student Answer Form with Performance Events





# Mastery Manager Teacher Scoring Form Example

| Stud | ont | Doc        | tor |
|------|-----|------------|-----|
| Stuu | ent | <b>VO2</b> | lei |

|  | GSL Secondary Test                          |                |  |
|--|---|----------------|--|
| Building: James Lewis (10)<br>Course: Grade 01 (Teacher 1718)<br>Section: 1  | Page: 1 of 12<br>Teacher Name: Teacher 1718 |                |  |
|  |   | A              | (4)  |
| Baker, Cabot<br>619964183  |   | O <sub>A</sub> | Cabeled X Axis<br>Labeled Y Axis<br>Titled Graph<br>Correctly Plotted Points<br>Connected Lines  |
| Beck, Janna<br>200119778   |   | Q A            | Clabeled X Axis<br>Labeled Y Axis<br>Titled Graph<br>Correctly Plotted Points<br>Connected Lines |
| Caine, Glynnis   |   | 0              | O Labeled X Axis   |
| <ul> <li>Print on both sides of the form</li> <li>Do not print Teacher Name on the form</li> <li>Do not print Student Name on the form</li> <li>Group questions </li> <li>Number of blank forms to print: 0</li> </ul> |   |                |  |
| One page for each student use form     Use student      roster layout  | Use Short • question descriptions           | >              |  |
| Make Default   | Generate Forms To Preview Ge                | eneration      | e Forms To Print   |
|  |   |                | Correctly Plotted Points   |
| Herrera, Valerie<br>332945199  |   | Q_A            | Cabeled X Axis<br>Labeled Y Axis<br>Titled Graph<br>Correctly Plotted Points<br>Connected Lines  |
| Johnson, Elle<br>318948082   |   | O A            | Clabeled X Axis<br>Labeled Y Axis<br>Titled Graph<br>Correctly Plotted Points                    |



## **Mastery Manager Teacher Scoring Form**

| Question Roster  |                                       |  |  |  |
|--|---------------------------------------|--|--|--|
|  | GSL Secondary Test                    |  |  |  |
| Building: James Lewis (10)   | Page: 1 of 7                          |  |  |  |
| Course: Grade 01 (Teacher 1718)  | Teacher Name: Teacher 1718            |  |  |  |
| Section: 1   |                                       |  |  |  |
|  |                                       |  |  |  |
| Absent: O Baker, Cabot (6  | 519964183)                            |  |  |  |
| 7 O Labeled X Axis   | 9 (3.0 2.0 1.0 0.0)                   |  |  |  |
| O Labeled Y Axis   |                                       |  |  |  |
| O Titled Graph   |                                       |  |  |  |
| O Correctly Plotted Points   |                                       |  |  |  |
| O Connected Lines  |                                       |  |  |  |
| 8 3.0 2.0 1.0 0.0  |                                       |  |  |  |
| Identification OOOO  |                                       |  |  |  |
|  | Explanation OOOO                      |  |  |  |
|  |                                       |  |  |  |
| <ul> <li>Print forms for student use</li> <li>Print forms for teacher use</li> <li>One page for each student use form</li> <li>✓ Use Short ▼ question descriptions</li> <li>✓ Use question ▼ roster layout </li> <li>✓ Consolidate point bubbles if possible </li> </ul> |                                       |  |  |  |
| Do not include a zero bubble Print full rubric on the teacher forms  |                                       |  |  |  |
| Make Default       Generate Forms To Preview       Generate Forms To Print   |                                       |  |  |  |
| Absent: O Caine, Glynnis (354922583)   |                                       |  |  |  |
| 7 O Labeled X Axis   | 9 3.0 2.0 1.0 0.0                     |  |  |  |
| C Labeled Y Axis   | Identification                        |  |  |  |
| O Titled Graph   | Explanation 0 0 0 0                   |  |  |  |
| O Correctly Plotted Points   |                                       |  |  |  |
| Connected Lines  |                                       |  |  |  |
| 8 3.0 2.0 1.0 0.0  |                                       |  |  |  |
| Identification OOOO  | performance events, including rubrics |  |  |  |
| Explanation OOOO   | for each student all in one place.    |  |  |  |



## **Mastery Manager Individual Student Answer Forms**





# Mastery Manager Student Answer Form with Large Bubbles





# **Mastery Manager Student Answer Form**

## **Multi-Assessment Form**



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## **Mastery Manager Student's Bubble Examples**





### **Scavenger Hunt**



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## **Scavenger Hunt (continued)**









### **Learning Objective Reports**

The Item Analysis by Learning Objective report provides test question validity by learning objective.

UTurn and talk with your colleague. In what circumstances would you use the overall Item Analysis, and when you might use the Item Analysis by Learning Objective?



Shortcut: Click on Repor<u>t Options</u> at the top of the page, which brings you back to the Disaggregation Page.

percentage achieving mastery?



# **Scavenger Hunt (continued)**



**Question** 





### **Student Reports**

Explore the **Student Report** by clicking on the **Horizontal View**, next check **Hide Answers** and finally check **Hide Responses**. Discuss with a colleague why these options would be valuable in a classroom.

**Click View Reports** and select **Learning Objectives Mastery Summary Report.** 

Look at the top standard (MA.3.3.MD.2) in the **Learning Objectives Mastery Summary Report**. What percentage of the questions tied to that standard did Catalina get correct?

Discuss with a colleague when this report might be useful in your work with students and/or colleagues.



## Setting up an Assessment in Mastery Manager Quick Reference Sheet

#### <u>Login</u>

- 1. Login to Mastery Manager, <u>www.masterymanager.com</u>
- 2. Click Login button
- 3. Enter Username and Password
- 4. Click **Login** button

#### Create Assessment (Properties)

- 1. Click Assessments tab
- 2. Click Create Assessment link
- 3. Enter Assessment name
- 4. Enter Number of multiple choice
- 5. Enter Number of performance events
- 6. Select Courses and section
- 7. Click Save button

#### Enter Answer Key/Design Multiple Choice Questions (Answer Key/Layout)

- 1. Click Answer Key/Layout link
- 2. For each multiple choice question select: Type, # of Bubbles, Style and Labels
- 3. Enter answer key in the Answer column
- 4. Click Save button

#### Enter Weights/Design Performance Event Questions (Weights)

- 1. Click Weights link
- 2. Enter point values for all questions
- 3. For each performance event question enter optional information for: short description, long description, bubble descriptors and cut score
- 4. Click Save button

#### Align Questions to Learning Skills/Standards (Standards)

- 1. Click **Standards** link
- 2. Click Add standards tab
- 3. Select **Standard category**
- 4. Select Grade levels filter
- 5. Click View standards button
- 6. Scroll list and click in the box next to the Standard to be aligned
- 7. Scroll to the bottom of the page and click the question box to be aligned to the Standard previously selected
- 8. Click Save button

#### Print Student Answer Forms (Forms)

- 1. Click Forms link
- 2. Click in various boxes to select specific forms printing options
- 3. Click Generate Forms button
- 4. Click Download PDF button
- 5. Click Open button to download PDF file
- 6. Print forms

Viewed from the Assessments tab > Reports

Viewed from the Reports tab

# **Mastery Manager Reports Quick Guide**

| General Assessment Reports (for an individual assessment)   |  |
|---|--|
| Alphabetical Results list the student scores (in points and percentage) earned on multiple choice and pe questions. If the grading scale is selected, each student is also assigned a grade on the report.  | rformance event  |
| Student Reports give access to student answer sheet (with correct answers) as well as various learning o reports (if standards are aligned).  | bjective mastery   |
| <b>Item Analysis</b> lists the percentage of student responses to each possible answer and the most popular di multiple choice question. Statistical information is computed to help analyze the assessment and check v questions.  | stracter to each<br>validity of the  |
| <b>Student Scores Grouped</b> shows the students' total scores, student responses and correct answers to mu questions, as well as maximum points and student scores for performance event questions.  | ltiple choice  |
| <b>Frequency Distribution</b> graphically displays the distribution of students' total scores. If the grading scale graph of the grade distribution will display as well.   | is selected, the   |
| <b>Response Distribution</b> graphically displays the distribution of student scores for performance event quest to the points or scoring descriptions entered (if entered on the Weights page).  | stions according   |
| <b>Performance Events Roster</b> shows a roster report of student scores earned on each performance event or mastery level based on the cut score (if entered on the Weights page).   | question and   |
| Learning Objective Reports (for an individual assessment and only available if standards are  | aligned)   |
| Learning Objectives Mastery Roster shows each student's individual proficiency results (points and color learning objective measured on the assessment.   | r-coding) for each   |
| Item Analysis by Learning Objective supplies the same information as the Item Analysis with multiple ch<br>grouped according to learning objective. It is a great tool to assess test question validity by learning object  | oice questions<br>ctive.   |
| Learning Objectives Mastery is a valuable tool to identify "at risk" students and create intervention group percentage and number of students in each designation group (achievement level).  | ps. It shows the   |
| <b>Learning Objectives Student Group</b> is another valuable tool to identify "at risk" students and create inte<br>This report groups students according to achievement level for each learning objective.   | rvention groups.   |
| Comparison Reports (for an individual assessment)   |  |
| Learning Objectives and Score Comparisons display the comparison of demographic groups (in relation to<br>and the entire student group) according to the achievement level for each learning objective (if standard<br>Performance Events Comparisons display the comparison by teacher of the students' average scores, the<br>up) and the mastery level according to the cut score for each performance event question on the assess<br>Item Comparisons display the comparison by teacher of the students' average score for each multiple ch<br>a single assessment. It also lists the overall average for each multiple choice question on that assessment | to one another<br>Is are aligned).<br>e cut scores (if set<br>ment.<br>noice question on<br>t. |
| Longitudinal Reports (for multiple assessments)   |  |
| Student Trend Reports trend multiple assessments' results for a student and display multiple reports in o   | one, including:  |
| Standards Roster displays the percentage or point scores earned for each standard in a roster forma   | at.  |
| Score Trend Table & Score Trend Graph shows the student's scores for each assessment, the average teacher's students, and the overall average score for all the students who took the assessment.   | se score of the  |
| Standards Proficiency shows the list of learning objectives (if aligned and selected) measured on the and the achievement level and total points earned by the student for the learning objectives.   | e assessments,   |
| <b>Standards Mastery Trend</b> shows the trend of the achievement level and scores on the assessments objective.  | by learning  |
| * The Student Trend Reports can be generated with a header and footer and are great for parent-tea<br>or to be distributed to the student.  | acher conferences  |
| <b>Comparison Reports</b> compare multiple assessments and/or demographics over time. It's a great tool for results for multiple assessments measuring the same standards for the purpose of examining student pro-   | comparing<br>ogress.   |



### Mastery Manager User's Guide

Follow the Hyperlinks or the Chapter Links to each of the sections below for more assistance.

- Assessment Management: Learn more about how to Manage your Mastery Manager Assessment by clicking on the links below:
  - o Creating Assessments
  - o Archive Assessments
  - o **Duplicating Assessments**
  - o Starting a New School Year
- Rubrics: Learn more about <u>Rubrics</u> by following this path: Help > User's Guide Chapter 6 > Rubrics
- Aligning Standards: Learn more about <u>Aligning Standards</u> by following this path: Help > User's Guide Chapter 3: Assessments > Menu of an Assessment > Standards > Aligning Standards to One or Multiple Questions in an Assessment
- Printing Forms: Learn more about <u>Printing Forms</u> by following this path: Help > User's Guide Chapter 3: Assessments > Menu of an Assessment > Forms > Forms
- Inputting Scores: Learn more about <u>Inputting Scores</u> by following this path: Help > User's Guide Chapter 3: Assessments > Menu of an Assessment > Scoring and Assessment > Input Scores
- **Reports:** Learn more about <u>Reports</u> by following this path: Help > User's Guide Chapter 8: Reports