

SMT Training Module 3 Cheat Sheet

Quantitative Observation Overview

Quantitative Data Buttons

Toggles are used to turn on or off any codes that the user may or may not want to use in an observation for capturing specific data.

The Wait-Time button allows wait-time data to be collected throughout a lesson.

* L-Codes are lesson type designations that allow the observer to identify separate parts of an entire lesson (ex. lecture vs lab activity vs assessment).
* L codes help the user differentiate between important parts of the entire lesson.
* These codes also act as a background timer to align data with specific segments in the lesson.

Note: It is very important to select a L code at the start of the lesson as this starts the timer for the observation. (This is why they cannot be toggled off.)

T-Codes indicate any teacher actions that take place throughout the lesson (with the exception of redirecting misbehaviors).

The Unrecorded Event button shows up only when using video. If a section of the video does not want to code, they can click Unrecorded Event, and the video will keep playing, but the coding clock will pause until the user clicks an L key to restart the coding clock. The video will remain synced with the data, but the paused coding time will not skew the data.

When doing a live observation, the Unrecorded Event button will read as the Emergency button and is used when an activity occurs that the user does not want to code and needs to pause coding. For example, there may be a fire drill and the user can use this button to pause coding without leaving the data collection screen.

Note: The previous two features are the same, but the labels change depending on whether the user is doing a live observation vs. using a recorded video.

S-Codes are used to note student actions during an observation.

M-Codes indicate student misbehaviors and the teacher's responses to said behaviors.

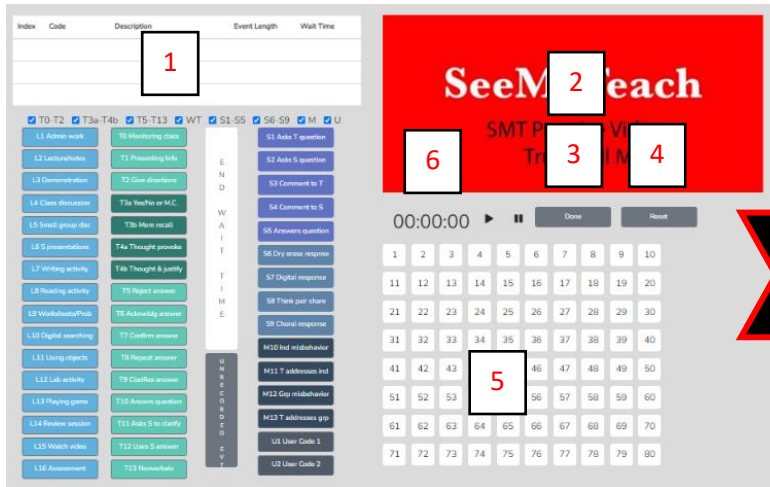
U-Codes can be designated by the observer as something to note that is not already noted by existing buttons.

U1 is an event only code.

U2 is an event-timing code.

Note: The user decides what these buttons will indicate in the observation.

Quantitative Data Collection Screen



- 1) Running Record – This box shows each click or button pressed and provides a time stamp associated with the event along with the duration of the event.
- 2) Video Dashboard – If using a video instead of a live observation, the video is displayed here.
- 3) Done Button – This button is clicked when the user wants to end or be done with the observation. A second chance warning pops up in case the user wants to continue. Upon clicking DONE, the screen changes to the quantitative data analysis screen.
- 4) Reset Button – This feature erases the data collected during a pre-recorded observation but keeps the set-up.

- 5) Seating Chart – If set up, this shows where the students are seated in the classroom, represented by a clickable number, and can be tagged to specific S codes or M codes. Small groups can also be identified and noted on the seating chart. If not set up prior to beginning an observation, the seating chart (as shown above) will show as a generic 8 x 10 grid completely filled with student seating numbers. The user can still use this generic chart and click on a seat number prior to clicking on an S code to generally show where the action is occurring. Note: No student demographics are tagged to any seat number since it is a generic seating chart.
- 6) Lesson Clock – This clock begins at zero at the start of the lesson and counts up in minutes and seconds. All events coded are linked to the lesson clock, noting when in the lesson they occur and (for most) the duration of the event.

For this training module we will focus on becoming familiar with the S codes, T codes and L codes.

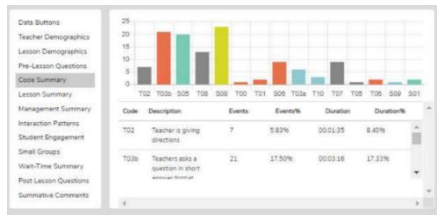
Remember:

- **Running Record:** Shows the timestamps of all of the code buttons as they are pressed.
- **L Codes:** Indicate the Lesson type
 - Important! An L code should be pressed to START the timer of any quantitative observation. L codes can then be selected throughout the lesson as the lesson type changes.
- **S Codes:** Indicate the Student actions (for today we will treat them all the same).
- **T Codes:** Indicates the Teacher actions (for today we will treat them all the same).
 - Important! As these codes are timing and event codes, all T and S codes should be clicked at the END of each event.
- **Toggle buttons** allow you to minimize distractions by only selecting the buttons that you want to include and code and your observation.

Let's Practice

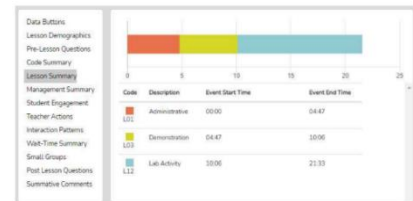
1. Click the plus sign next to the lesson observation that you previously created and used in Training 1 and 2 to view the Expanded Dashboard.
2. Click Start under the Quantitative column.
3. Toggle off all buttons except S1-S5 and T0-T2.
4. Hit Play followed by the L3 code.
5. Begin collecting baseline data.
 - Choose any of the T codes available (T0, T1, T2) to represent the teacher talking.
 - Choose any of the S codes available (S1-S5) to represent a student talking.
 - Remember: Click the T and S code buttons at the END of the event
6. After 5 minutes of collecting data, hit "Done" and "Yes, I am Done."
7. Keep the analysis page open as we will come back to that later in this lesson.

Quantitative Data Analysis Features



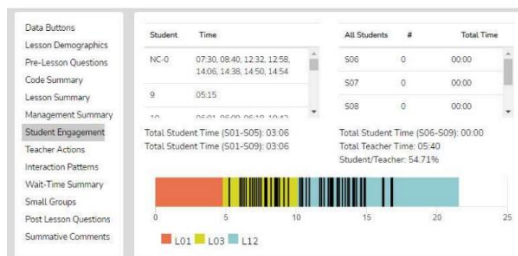
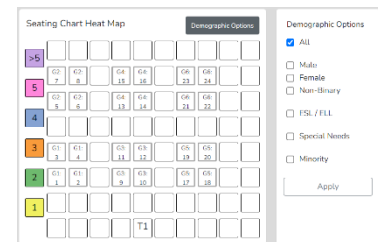
Code Summary – This feature provides a graph of the number of events of each code used during data collection and shows the relative and specific use of T, S, M, and U codes.

Lesson Summary – When utilizing L codes, this feature separates and categorize the lesson into different segments such as “lecture/notes” or “writing activity” or “lab activity” etc. based on the observers coding.



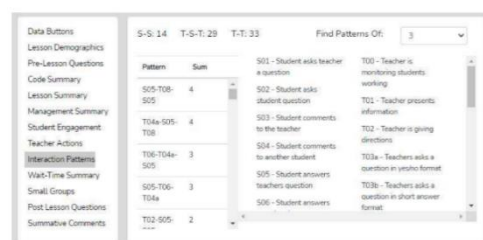
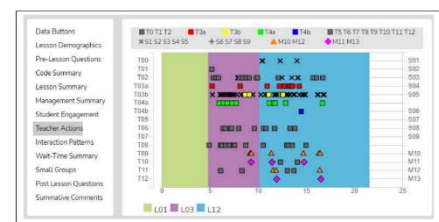
Management Summary – Management Summary provides a seating chart heat map, timeline, individual student data for misbehaviors and the teacher’s reactions to such. On the timeline, student misbehaviors (indicated by black bars) are linked to the video as well as the teacher’s response and intervention (indicated by red bars).

Seating Chart Heat Map - If data is collected for specific students by using the student seat number on the seating chart, the data for S codes and M codes can be displayed by specific student and also toggled on or off by clicking on the “Demographics Options” button.



Student Engagement Summary – Displays the student engagement events (S codes), noted specifically by student seating number (or generically if seating chart numbers were not used) and when the events occurred.

Teacher Actions Plus – Teacher Actions Plus is a timeline from beginning to end of the lesson that displays a backdrop of the lesson type (in various colors) in play. It also displays symbols for when the teacher exhibited various T codes actions as well as student actions so the user can follow the sequence of teacher and student actions throughout the lesson.



Interaction Patterns – This feature summarizes all the teacher actions (T codes) and student engagement actions (S codes) so that the user can view the predominant patterns of interaction between the teacher and students.

Small-Group Summary – If the seating chart has been set up with students designated in small groups, when doing a quantitative observation, the user can collect data on and examine teacher and student actions by small groups.

The interface displays a seating chart on the left with students grouped into small groups. On the right, there is a table with columns for 'Student', 'Teacher', and 'Small Group'. The table contains data for various groups, including 'MS', 'S1', 'S2', 'S3', 'S4', 'S5', and 'Total'.

The interface shows a table with columns: 'Wait-Time Type', 'Total Events', 'Total Time', and 'Average'. The data is organized by wait-time type (T-T, S-T, T-S, T-S) and includes a summary table with columns: 'Code', 'Wait-Time 1', 'Wait-Time 2', 'Wait-Time 3', and 'Wait-Time 4'.

Wait-Time Summary – The wait-time data is only located within the Wait-Time Summary. The Wait-time Summary includes summaries of wait-time by wait-time type, events, total time, and averages for each wait time, as well as wait time for specific T or S codes.

Running Record - The Running Record lists all the events in sequence from the lesson start to finish. The user can scroll through the events and can click on any event to see the related video.

The interface displays a list of events with columns: 'Index', 'Code', 'Description', 'Lesson Clock', 'Event Length', and 'Wait Time'. A video player is shown on the left, displaying a classroom scene.

The interface shows a grid of buttons for different event codes, including 'T1', 'T2', 'T3', 'T4', 'T5', 'T6', 'T7', 'T8', 'T9', 'T10', 'T11', 'T12', 'T13', 'T14', 'T15', 'T16', 'T17', 'T18', 'T19', 'T20', 'T21', 'T22', 'T23', 'T24', 'T25', 'T26', 'T27', 'T28', 'T29', 'T30', 'T31', 'T32', 'T33', 'T34', 'T35', 'T36', 'T37', 'T38', 'T39', 'T40', 'T41', 'T42', 'T43', 'T44', 'T45', 'T46', 'T47', 'T48', 'T49', 'T50', 'T51', 'T52', 'T53', 'T54', 'T55', 'T56', 'T57', 'T58', 'T59', 'T60', 'T61', 'T62', 'T63', 'T64', 'T65', 'T66', 'T67', 'T68', 'T69', 'T70', 'T71', 'T72', 'T73', 'T74', 'T75', 'T76', 'T77', 'T78', 'T79', 'T80', 'T81', 'T82', 'T83', 'T84', 'T85', 'T86', 'T87', 'T88', 'T89', 'T90', 'T91', 'T92', 'T93', 'T94', 'T95', 'T96', 'T97', 'T98', 'T99', 'T100'.

Data Buttons - The Data Buttons feature serves as a Search and Find function and allows the user to quickly locate linked video examples of specific T, S, M, or U events. Clicking on a button finds the first of that specific code/event in the Running Record window, and the linked video begins to play.

Lesson Demographics – This feature contains information about the lesson that was entered during the New Observation lesson setup including course name, period, lesson topic, subject, and grade level.

The form includes fields for 'Course Name', 'Mock', 'Period, Block, or Time of Day', 'Lesson Topic', 'S codes - all', 'Subject Taught', and 'Grade Level'.

The form includes a text area for 'What are the main learning goals/objectives for the lesson?' and a text area for 'Describe the major activities or parts of the lesson to be observed.'

Pre-Lesson Questions – This form includes questions posed to the teacher that will provide context to and intent of the lesson. Pre-Lesson Questions can be accessed from both the Settings screen and from the Analysis screen.

Post Lesson Questions – This form includes questions for the teacher to respond to following the lesson and observation.

The form includes a text area for 'Tell me about today's lesson. Probe: What went well? Probe: What needed to be improved? Probe: If you taught this lesson over again, what would you change? Why?' and a text area for 'What do you think students learned from today's lesson?'

The form is divided into two main sections: 'A. Planning for Instruction and Assessment' and 'B. Instructional Delivery'. Each section contains a table with columns for 'Focus for Learning Standards and Objectives/Targets', 'Materials and Resources', 'Assessment of P-12 Learning', 'Differentiated Instruction', and 'What feedback for planning do you have for the candidate?'. The table includes checkboxes for 'Meets or Exceeds', 'Emerging', and 'Not Met'.

Summative Comments and Summative Forms - When the observation is over, the observer can add Summative Comments and/or fill in Summative Forms.