



# Daly Computers Webinar for MEEC: SMART Response: Assessment and Technology Integration

301-670-0381 ◆ [www.daly.com](http://www.daly.com)



## Presenters

- Jim Rowland  
Senior System Architect and Project  
Manager, Daly Computers
- Kelly Cook  
Area Manager, SMART Technologies  
Corp.

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Please submit your questions using the chat box on the side or hold them until the end of the presentation for the Q&A period. All questions will be answered during the Q&A period.



## Company Background

- Proven track record with 23 years experience in State, Local and Education in Maryland.
- Minority Business Enterprise (MBE).
- Ability to provide the complete solution as all of the hardware, software and services discussed today are available on the MEEC contract as well as other state contracts.
- Robust Professional Services Offerings delivered by our Project Management and Systems Engineering Team.

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## Assessment and Technology Integration

How can Response provide a teacher with the tools for Effective Formative Assessment?



**SMART**  
Technologies

Kelly Cook  
Area Manager

SMART Technologies Corporation  
Calgary, Alberta

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www.smarttech.com

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# SMART Response

The SMART Response system allows teachers to perform planned and spontaneous assessments within SMART Notebook collaborative learning software.



Clicker



Receiver



SMART Response™  
Assessment Software



SMART Notebook™  
Software

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# SMART Response - Benefits

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Promotes reflective practices in teachers & students

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# Assessing Student Understanding

Normally you.....

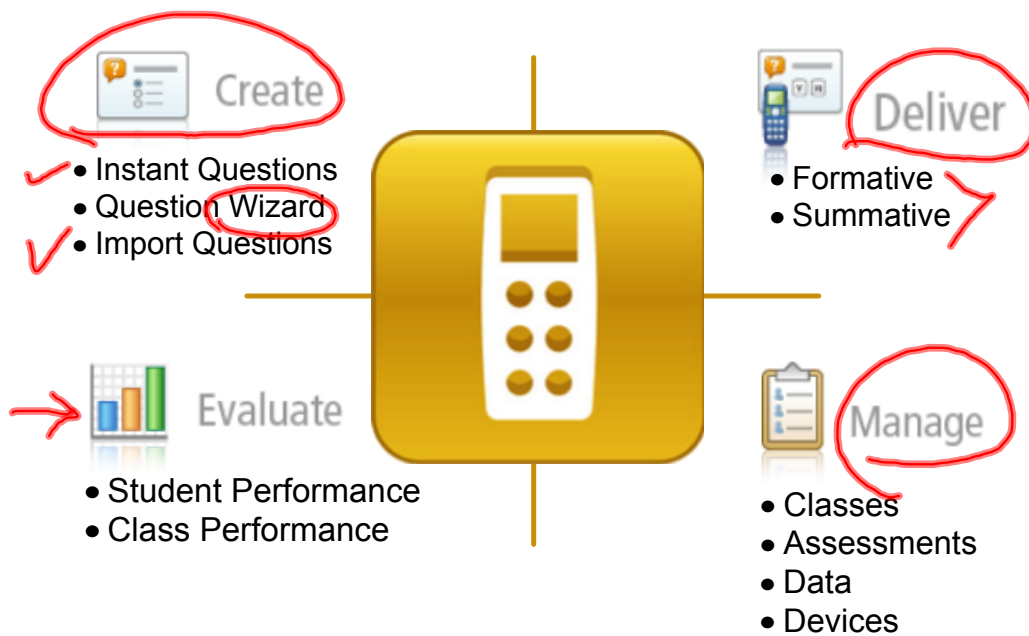
Create the quiz  
Photocopy the quiz  
Deliver the lesson  
Distribute the quiz  
Collect the quiz  
Evaluate the quiz  
Record the results  
Return the quiz  
Take up the quiz  
Students/teachers use  
results to plan next steps





# SMART Response

## Functional Objectives



# Types of Assessment

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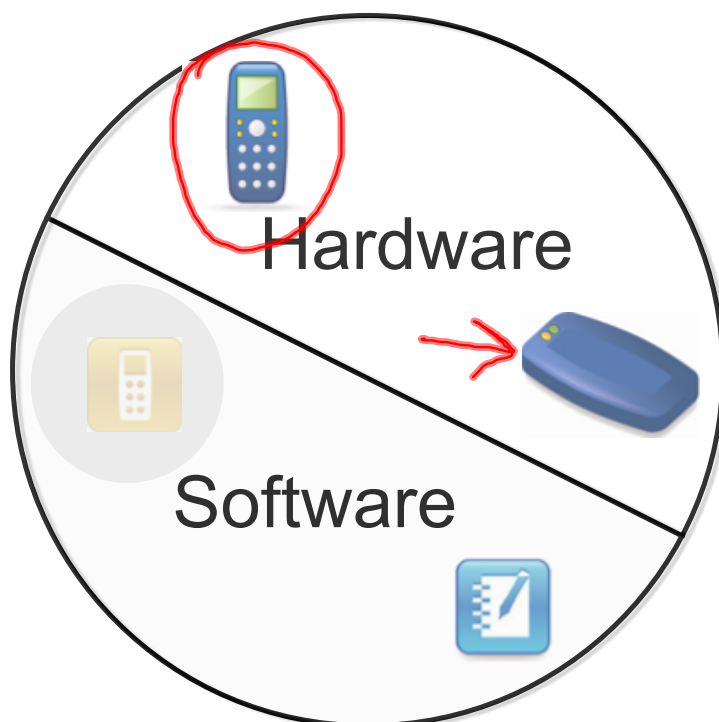
Diagnostic  
Assessment

Formative  
Assessment

Summative  
Assessment

- Assessment **of** learning
  - Summarizes the development of learners at a particular time
  - What they know and can do
  - Evaluates their growth relative to the purpose of the lesson/activity/unit/program

# SMART Response - Hardware



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## Remote



- Extensive Question Types
- 2 AA Batteries
- Two-way RF Communication

## Receiver

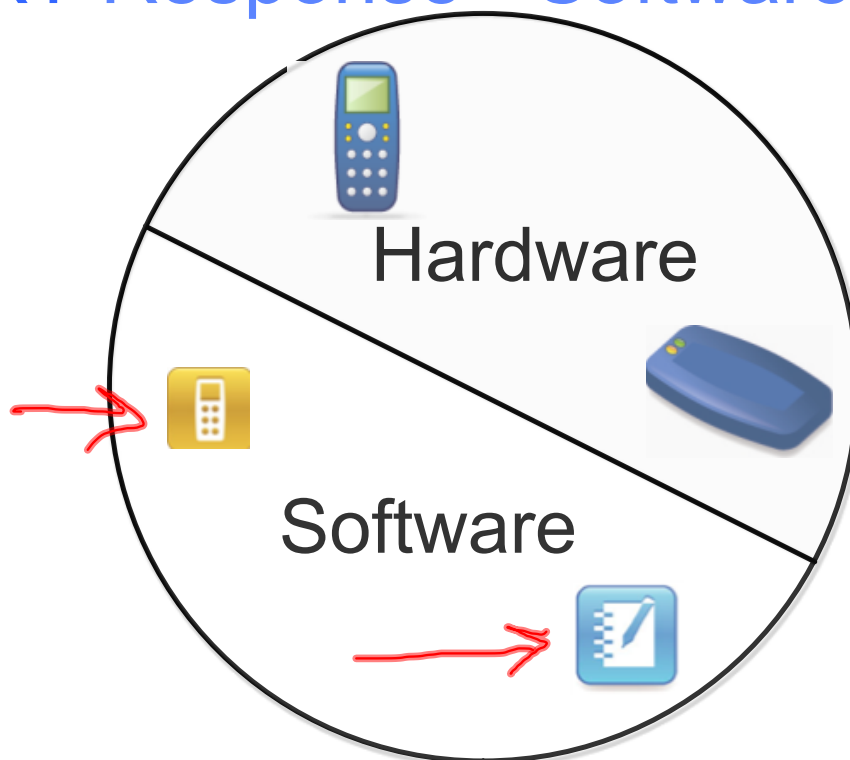


- 100 Foot Range
- USB Plug and Play
- Status Indicators
- Desk or Wall Mount

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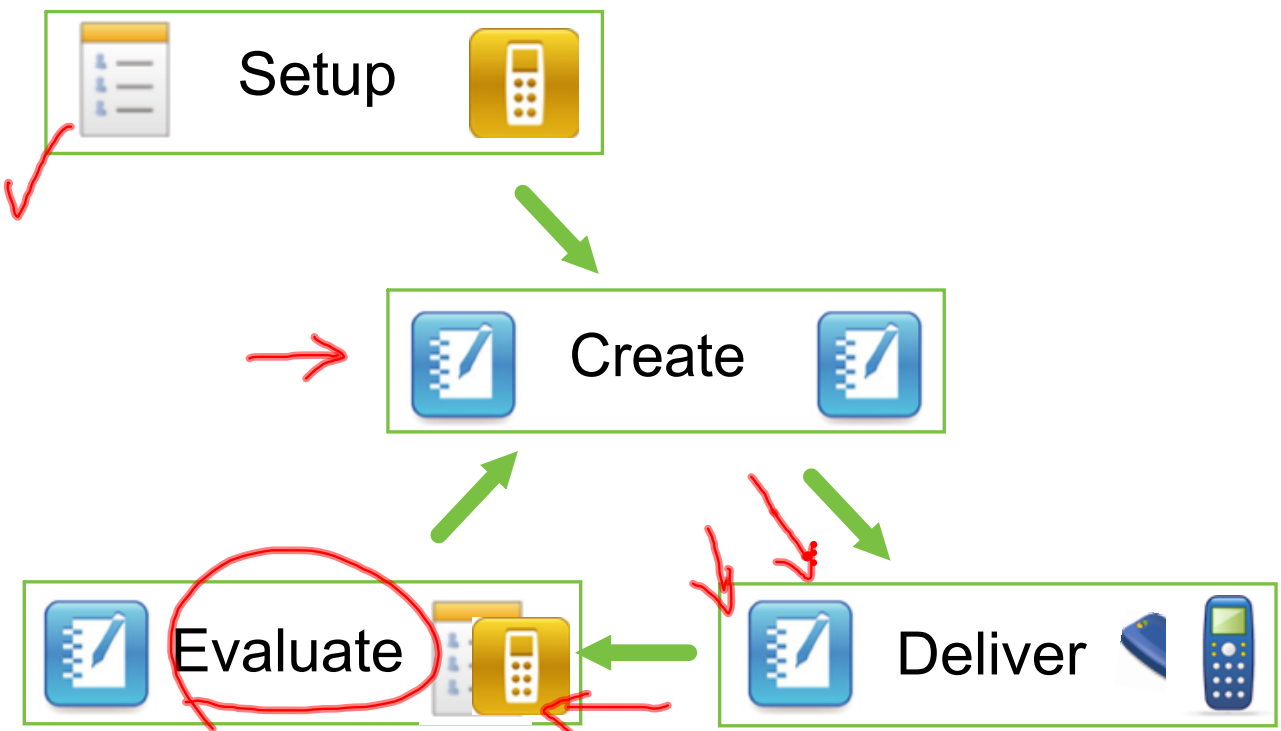
# SMART Response - Software



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# Workflow Process



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# Teacher Tools

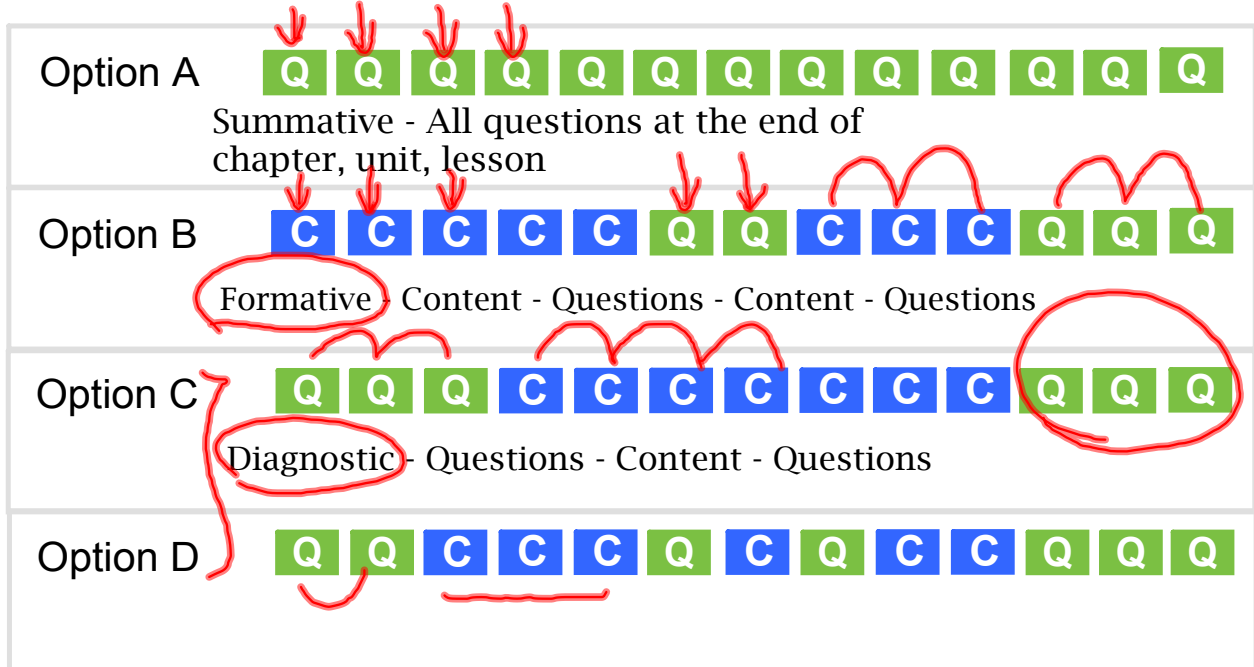


- View a teacher file
- Gradebook
- View class lists
- Student tags
- Privacy view



# SMART Response system

## Types of Assessment

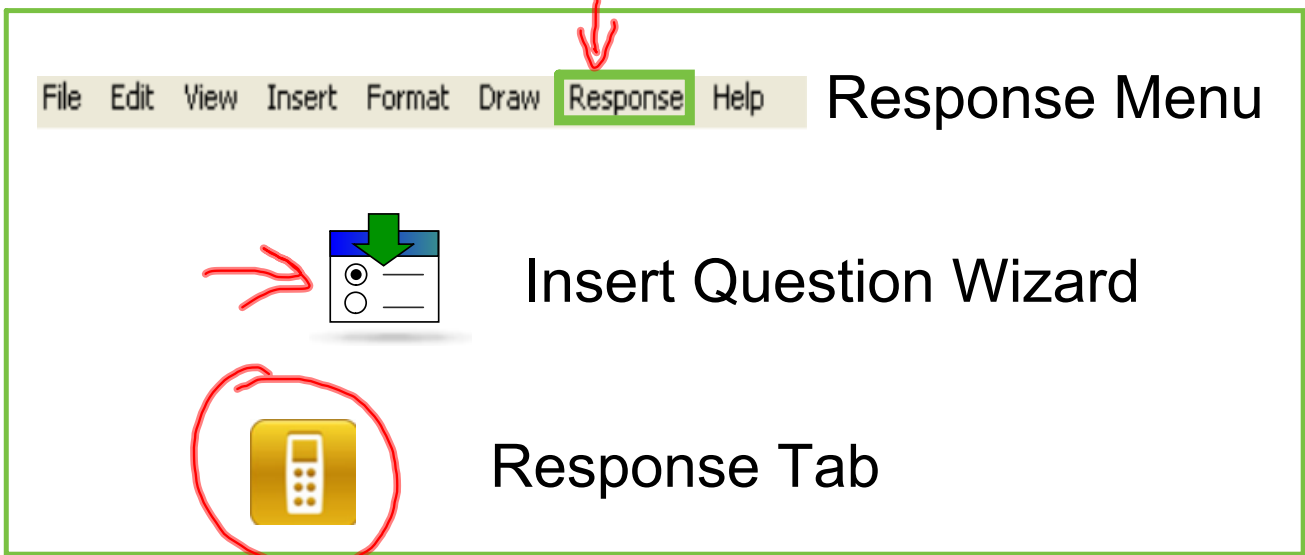


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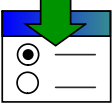


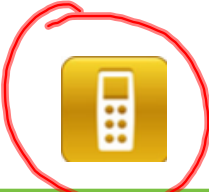


# Notebook Software Integration

A screenshot of a software menu bar with a green border. The menu items are File, Edit, View, Insert, Format, Draw, Response, and Help. The 'Response' menu item is highlighted with a green background and has a red arrow pointing down to it. To the right of the menu bar, the text 'Response Menu' is displayed. Below the menu bar, there are two items: 'Insert Question Wizard' and 'Response Tab'. The 'Insert Question Wizard' item has a red arrow pointing to a document icon with a green arrow pointing down to it. The 'Response Tab' item has a red circle around a yellow calculator icon.

File Edit View Insert Format Draw **Response** Help Response Menu

 Insert Question Wizard

 Response Tab

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# Assessment Delivery

## Anonymous

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- An ID number is not needed to sign-in to clickers
- Individual student results are not available
- Quickest way to assess understanding

## Sign-In

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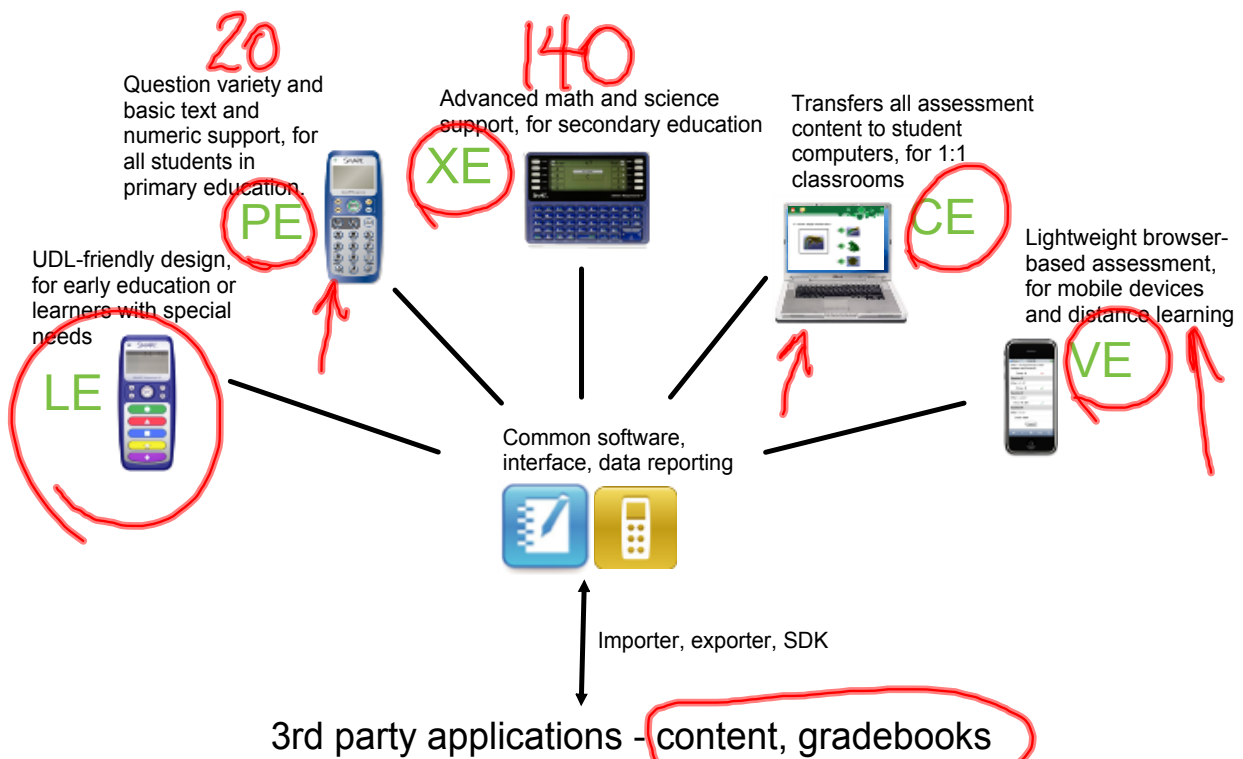
- Students must use their ID number to sign-in to clickers
- You can see & save individual student results
- You can monitor individual student participation

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# SMART Response product line



# SMART Response LE

## Simple design

- Large, colorful, shape-based buttons
- Raised shape surfaces for tactile feedback
- LCD graphics to provide textless feedback
- Clickers turn on and sign in automatically, based on pre-pairing by the teacher


## Software design

- Support 3 main question types (multiple choice, T/F, Y/N)
- Graph and share interim results on demand, within a live assessment
- Teacher-led questions, one at a time



# Response LE

Ideal for non-readers

Which animal makes this sound? 



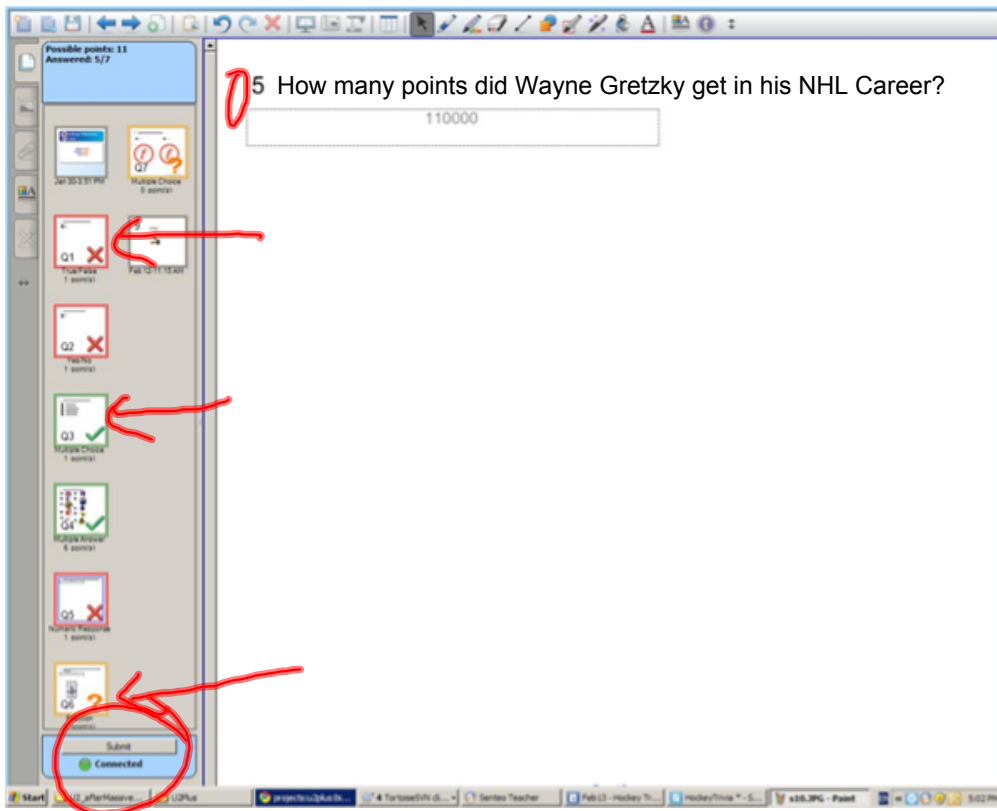
# SMART Response CE

Ideal for 1:1 environments



- Questions and question content (images, multimedia files, etc) is transferred directly to student computers, students can work at their own pace
- Standalone or part of SMART Classroom Suite
- Integrates with Notebook SE
- Student laptops and computer-enabled learning environments

# Student Screen in Notebook SE



# SMART Response XE

Ideal for secondary education



## New Interactive Response System

- Keyboard-style remotes, with full QWERTY keyboard
- Enables an even wider variety of question and answer types, including longer text-based response, and mathematical and scientific equations.
- Supports larger classrooms (100 students) and longer assessments (100 questions)
- Support for advanced math and science content.
- Intelligent Grading



# SMART Response VE (beta)

Mobile Devices



## New for SMART Response customers

- Works on internet-enabled devices (like iPhones, iPod Touch, Blackberry, Google Android phones, and computers)
- SMART-hosted web service for students to log into
- Supports emerging trends, pilot projects where students bring mobile devices into the classroom and supports distance learning and large audiences.
- Supports T/F, Y/N, Multiple Choice, Multiple Answers

## VE Hardware (beta)

Students will access on-line assessments



Responses still feed into Teacher Tools for Analysis

# Lesson Transition



Add interactivity to your classroom



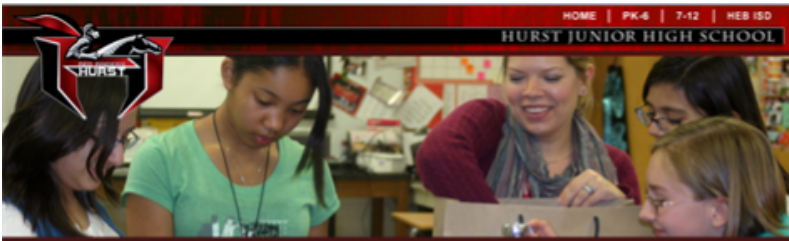
Engage and assess your students



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# Response



## Hurst Jr High, Hurst Texas

1 out of 4 Jr. High-Hurst Texas-Incorporated Response PE-in Math  
Integrated into all Math Curriculum  
After first Semester-Jr. High with Response-20% Higher Math Scores

Assessment & Accountabilty-Priority

# The whole picture

More than just an interactive whiteboard



Maximize impact of IT on student outcomes with solutions inspired by educators

# Products

Easy-to-use products that adapt to your needs



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## Questions?

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## Announcements

- Pat Collins  
Member Services Coordinator, MEEC





## Live Demonstrations

Daly offers a more in depth presentation on our SMART solutions at our facility.

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## Daly Upcoming Events

### **Daly Technology Showcase**

May 6<sup>th</sup>

BWI Airport Marriott

For more information or to register please visit

[www.daly.com](http://www.daly.com)

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THANK YOU FOR ATTENDING!

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## Attachments

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D., Rachel (2427) Nov. 14.pdf



Science 8 (1) Oct. 1.pdf



9-11 Biology Questions (2).doc



Sample Science Quiz.notebook



Class List.xls



Ms Brown.teacher



Angles-Teacher Directed.notebook



Teacher Directed Response.notebook