Ignite! ION

V2.0

QuickStart Guide

The Ignite! ION is an enterprise digital content system for your school or district configured to Common Core and your specific state and/or local priorities.

The Ignite! ION is available for grades 4 thru 8 in Math, Science, Social Studies, ESL, and Special Education content configurations. The Ignite! ION is built with a unique instructional design intended to maximize student participation, integrate with your classroom technology, promote critical thinking skills, and expand teacher capacity.

ION v2.0 Technical Specifications

Server
- Windows Server 2003, Windows Server 2008, or Windows XP Professional Operating System
- Static IP address
- DVD Drive (for installation discs)
- 10/100 Mbps Network
- Internet connection required for updates
- Pentium 4, 2.5 GHz (or compatible)
- 15GB available hard disk space
- 2GB RAM (suggested per site license) RAM requirements vary depending on license type
- Each media piece averages 4MB in size and is cached from the server to the client as requested by the user

Client (Teacher workstation)
- Windows XP, Vista, Windows 7, and Mac (Intel only) 10.4.11 or higher
- 10/100 Mbps Network (for connection to server)
- Local network access to the school's ION server is required. Access to the public internet is not required
- Pentium 1.5 GHz (or compatible)
- 1GB available hard disk space
- 512MB RAM
- Digital Projector (for whole class instruction)
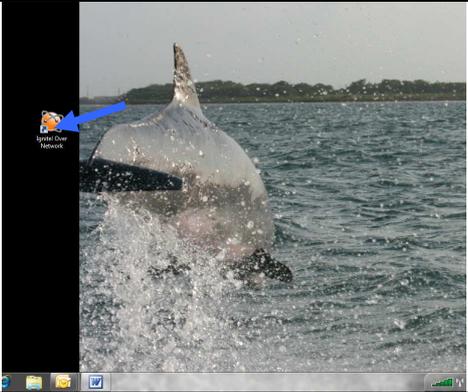- Stereo Speakers

Getting Started

The following steps will guide you through the simple start up process.

Student Response System Notes: If you are using either the Promethean ActivExpression student response systems or the SMART™ Response clickers, then please read this prior to launching the ION application. More detailed instructions on the functionality are available later in this help document.

SMART: If you are using SMART Response or SENTEO clickers, then you should first plug in the SMART receiver to an available USB port on your computer. Next, open the SMART TeacherTools program and click to start an Anonymous Class. There is no clicker registration process necessary.

PROMETHEAN: If you are using Promethean ActivExpression student response devices, then make sure that the ActivHub is plugged into an available USB port on your computer and that the devices are registered. You do not need to have ActivInspire open for the ActivExpressions to work correctly.
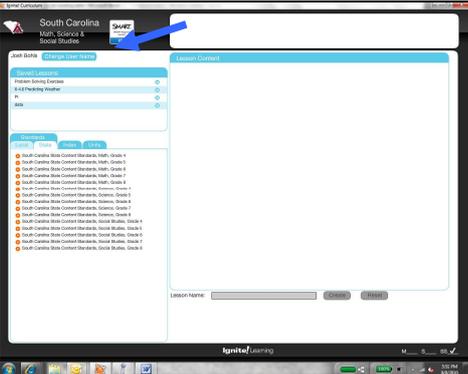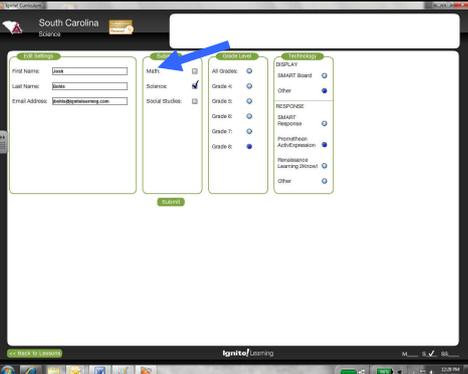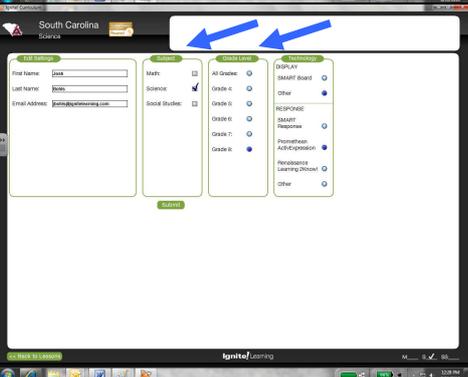
RENAISSANCE: Ignite! Learning is finalizing the integration with Renaissance Learning 2Know! and NEO2 responders. This option should be released in Fall 2010. If you have these devices in your classroom, then please contact Ignite! Learning for a status update.

To begin, double-click the Ignite! Over Network (ION) icon.	
The application will open and a short introductory video will play, and then the ION will load your configuration. If this is the first time you've launched the program, then it will initially display all of the content areas that your district purchased and for alignments grades 4th through 8th.	

User Registration Screen

The ION has a convenient feature that allows you to create a user profile without needing you to create and remember a password. The first time you initiate the ION, you'll see a button on the top left that allows you to create a profile. Once you've created it, you can always go back in and make changes.

When you first launch the ION, you'll arrive at the Lesson Creator Screen. To create your user account, click on **Customize** in the top left corner.	
First, enter your name and email address. Your email address will be used to identify your profile for future sessions.	
SUBJECT: Next, please select the subject(s) that are applicable for your classroom. **GRADE LEVEL:** You can then select either a single grade level or "all grades", which provide alignments to all of the Ignite! Learning grades, 4th – 8th.	

TECHNOLOGY: The final profile option is related to your existing classroom technology. This is an important step, as Ignite! Learning has developed unique integrations with the most popular instructional technology available today, and you'll want to take full advantage of these features!

For the "Display" option, please select whether you have a branded SMART™ Board. If you have a Promethean ActivBoard, or any other interactive whiteboard, please select "Other".

For the "Response" option, please select the appropriate student response system that you currently use. If you do not use any of the listed options, then please select "Other".

Click "Submit" to save your settings and return to the Lesson Creator Screen. A dialog box will appear to prompt you to close the ION session and start it again if you've made changes to your profile. Once the ION has gone through the introduction video again, you'll notice that your new settings have been applied. You can always return to these settings by clicking "Change User Name" in the upper left corner.

If you happen to open the ION from a different computer, you can click "Change User Name" and enter your email address to apply your selected settings. This will also bring over any saved lessons you may have created.

Lesson Creator Screen

The Lesson Creator Screen displays a variety of powerful search options to assist in navigating the Ignite! Learning digital resources.

Standards Tab: Search media by alignment to your state's academic standards and your local scope & sequence (if applicable for your district). If your state has adopted **Common Core Standards**, then that tab will also appear as an additional option.	
Index Tab: Search for media by key word (ex. cells).	
Units Tab: This search option displays media in a similar organization as you might find in a textbook, with a Course, Unit, Topic hierarchical structure. This is a great way to quickly locate Ignite!'s award winning Critical Thinking enrichment exercises.	
Saved Lessons: You can save any media search by clicking the "Create" button towards the bottom right. All saved searches will appear in the Saved Lessons box towards the top left. Saved Lessons will only appear when you have an active connection to the internet.	

At any time, to access the Ignite! content just click on a media thumbnail icon within the search results and you'll be transported to the Lesson Viewer screen.
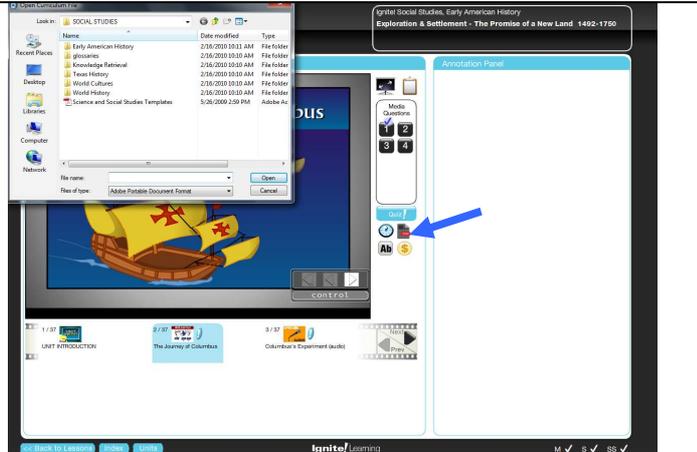
Lesson Viewer Screen

Once you select a media piece within a lesson, you will arrive at the Lesson Viewer screen. All media-related teacher tools can be accessed here.

- **Filmstrip** displays other media in this lesson
- **Media Questions** are formative assessment intended to be used with the media
- **QUIZ!** links to additional assessment questions related to the current topic
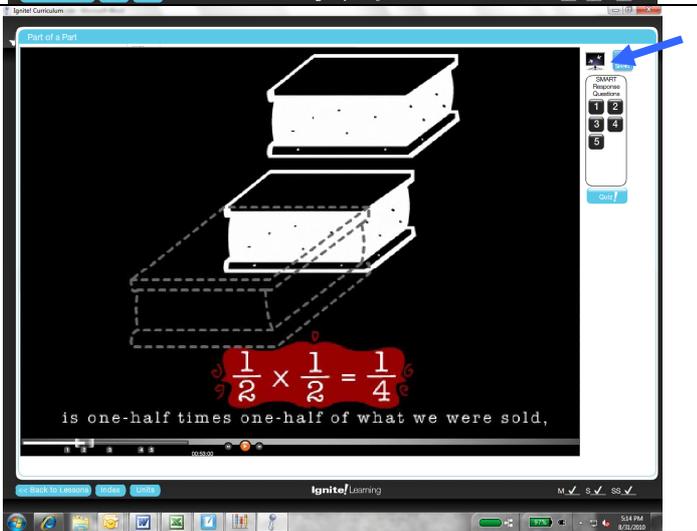- **Ab** displays the Glossary

Lesson Notes is an open space to type and paste notes, store key vocabulary terms, incorporate activities, embed your assessments and lesson plans, etc. This is a great opportunity to involve students or your local scope & sequence materials! Lesson Notes can be **Saved** with the Lesson to be accessed later when you go back to the same set of media.

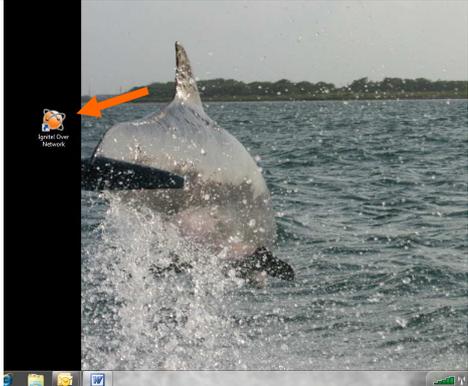|	
PDF accesses the Ignite! student and teacher print materials, complete with writing exercises, vocabulary building, and group activities.	
Full Screen Mode: Toggle back and forth to maximize media viewing area during playback.	

Promethean Integration

Ignite! Learning has developed unique integrations with Promethean's leading classroom technology, including the ActivExpression student response devices, ActivBoard, and ActivInspire Flipcharts. The following sections provide details on how the ION works with each Promethean tool.
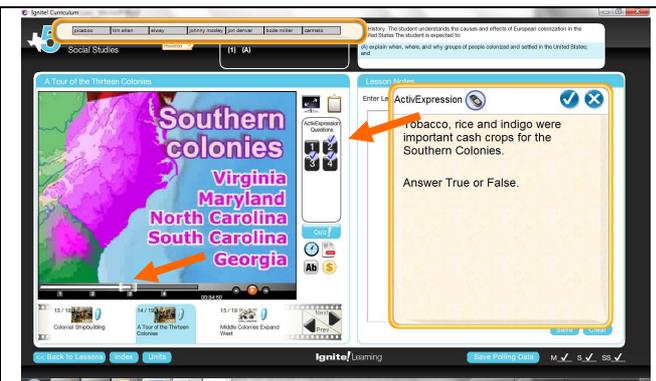
Promethean ActivExpression Integration

The Ignite! ION is fully integrated with Promethean's leading ActivExpression student response systems. The following instructions are for classrooms that are equipped with this technology.

Step 1: Plug in your ActivHub to any available USB port on your Mac or PC, and pass out the ActivExpressions to your students.	
Step 2: Within ActivInspire ensure that the ActivExpressions are registered to the ActivHub, using either a numeric identification system or actual student names.	
Step 3: Launch the ION by double clicking on the ION desktop icon.	

Step 4:

Within the Lesson Viewer Screen, the **ActivExpression Questions** can be opened from the numbers on the media time bar or to the right of the media viewer window.
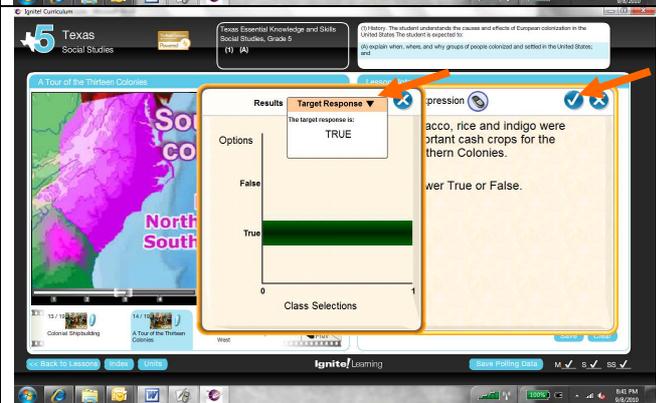

Step 5:

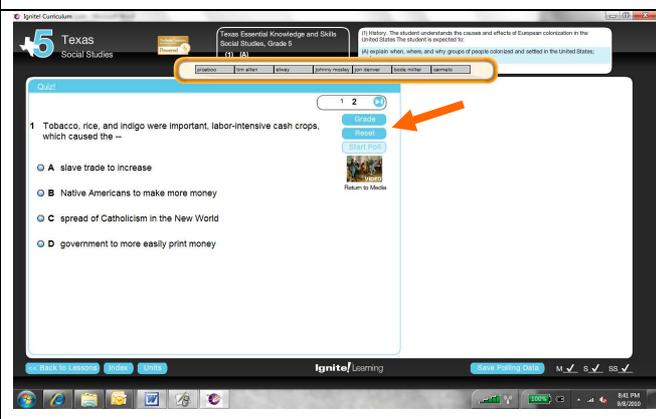As responses from the class come in, you'll notice the names turn yellow.

Step 6:

To view the student responses, click the **check mark** in the question box. The **Target Response** dropdown will display the expected answer. For Text and Numeric questions, you'll have an option to drag and drop the answers to spark discussion or label a diagram.
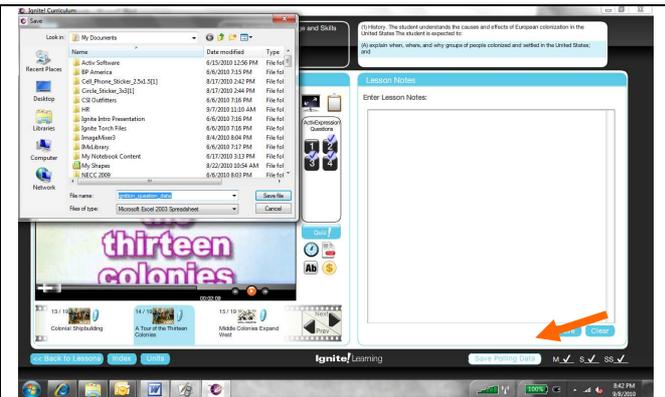

Step 7:

Each Ignite! Topic has a related quiz – click the **QUIZ!** button to begin. On each question, click the button labeled "**Start Poll**" to send the question out to the students. When the class has answered, click "**Stop Poll**" and the responses will automatically display.
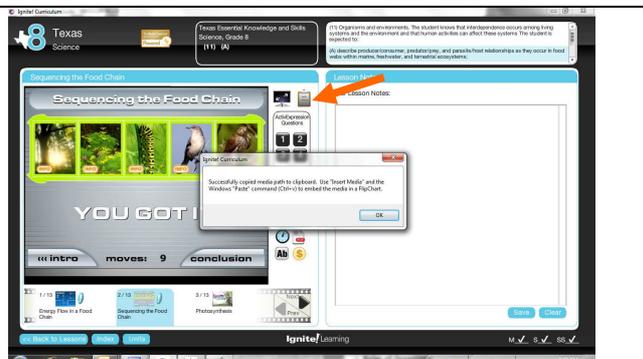
Step 8: To save the response data for this session, click on **"Save Polling Data"**, name the file, and click **Save**. This will export the data into an Excel file.	

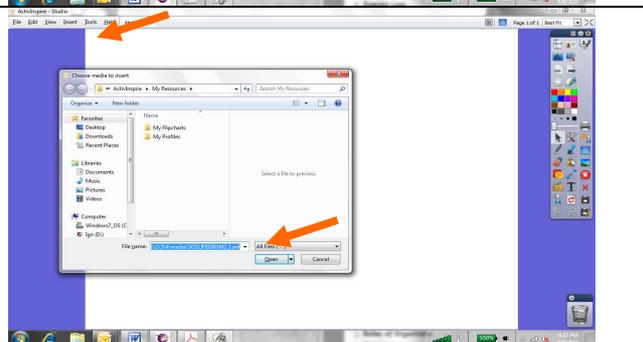# Promethean ActivInspire Flipchart Integration

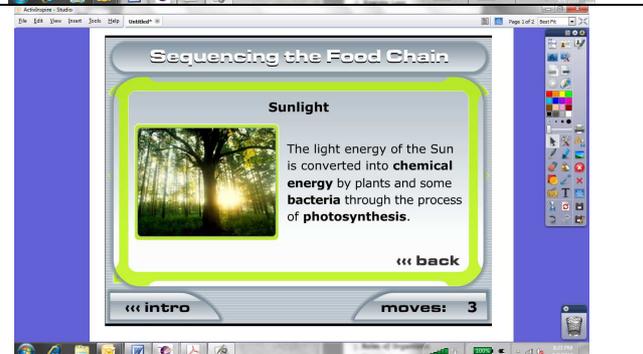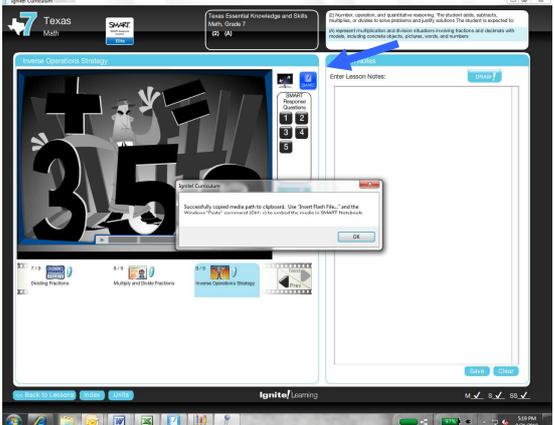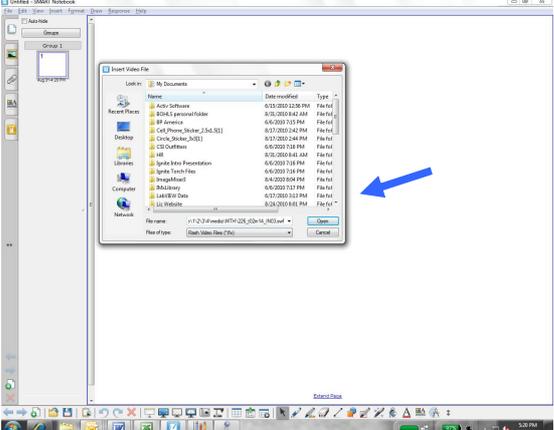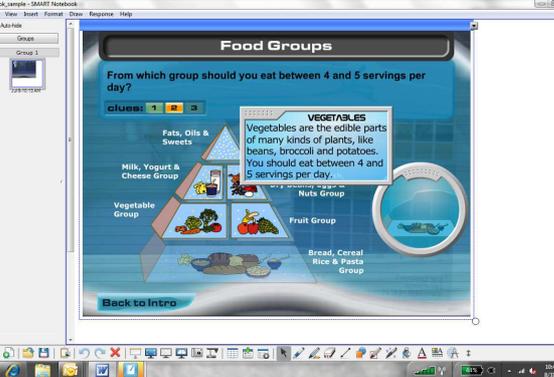|	
Copy Media to Flipchart Step 1: Click the **Clipboard** icon while viewing the selected media.	
Copy Media to a Flipchart Step 2: In ActivInspire, on the top menu select **INSERT**, and then **MEDIA**. In the File Name box, hold **CTRL+V** to paste the media path, then click **OPEN**	
Copy Media to a Flipchart Step 3: Resize the media to suit your instructional needs. Be creative! Infuse other resources and create your own custom lessons with Ignite! media!	

SMART™ Technologies Integration

Ignite! has developed a deep integration with SMART classroom technology, including the SMART™ Response clickers, SMART™ Board, and SMART™ Notebook. The following sections provide details on how the ION works with each of the SMART tools.
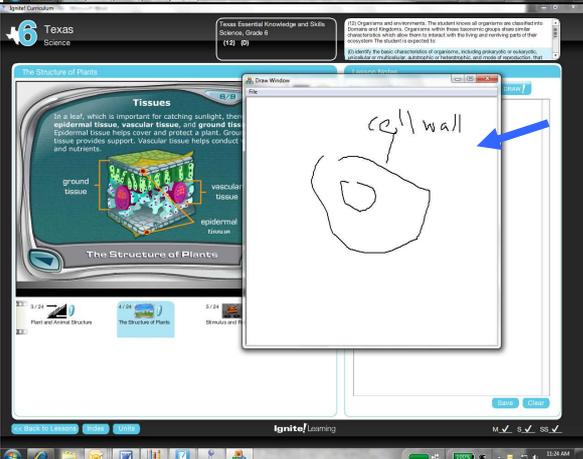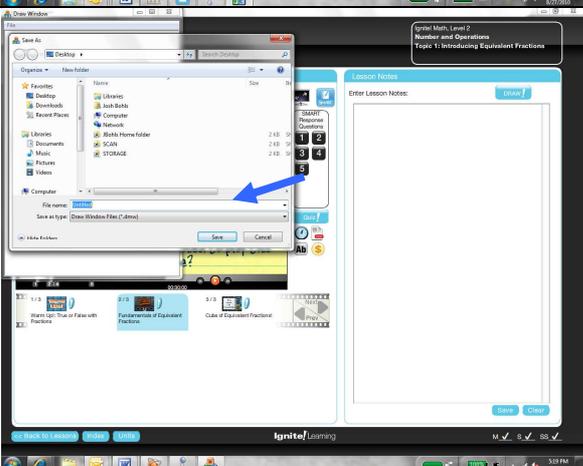
SMART™ Notebook Integration

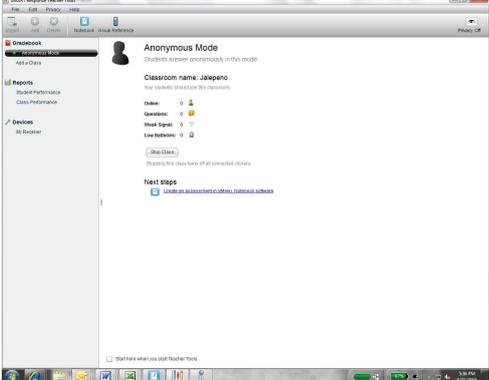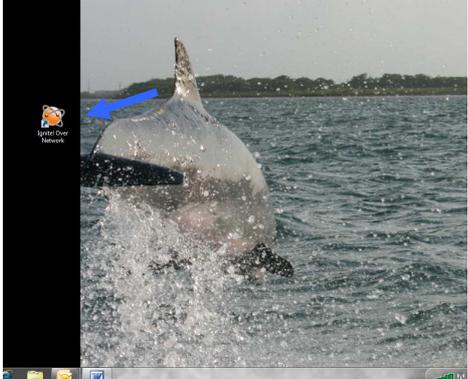|	
Copy Media to Notebook Step 1: Click the blue SMART Notebook icon while viewing the selected media.	
Copy Media to Notebook Step 2: In Notebook, on the top menu select **INSERT**, and then **FLASH VIDEO FILE**. In the File Name box, hold **CTRL+V** to paste the media path, then click **OPEN**.	
Copy Media to Notebook Step 3: Resize the media to suit your instructional needs. Be creative! Infuse other resources and create your own custom lessons with Ignite! media!	

SMART™ Board Integration

Although not required for operation, the ION is best used on an interactive whiteboard. The following steps explain the DRAW! feature, which can be found in the Lesson Viewer Screen. You can also use the SMART pens at any time to write over the top of the ION application as an Ink Layer.
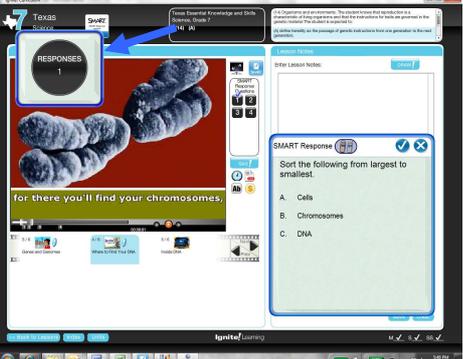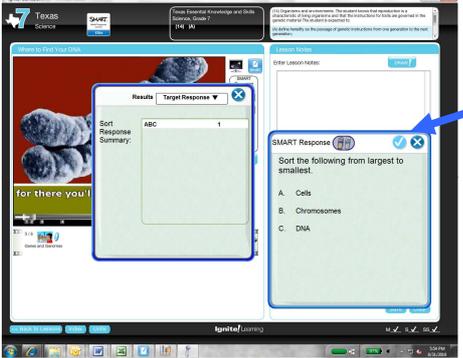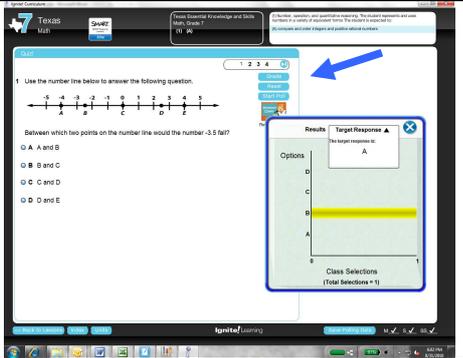
DRAW! opens a window that allows for digital writing to be utilized and saved.	
Use your fingers or the SMART pens to take notes, sketch diagrams, or work out problems. If your SMART™ Board is equipped for multi-touch, you can engage two students at once.	
The **DRAW!** window content can be saved onto your computer for future reference or sharing. You must have the ION application open in order to open the file later.	

SMART™ Response Clicker Integration

The Ignite! ION is fully integrated with SMART™ Response student response systems (clickers). The following instructions are for classrooms that are equipped with this technology.

Step 1: Plug in your SMART receiver to any available USB port on your Mac or PC, and pass out the clickers to your students.	
Step 2: Open the program "SMART Response Teacher Tools" Select "Anonymous Mode"	
Step 3: Launch the Ignite! ION application by double clicking on the ION desktop icon.	
Step 4: Within the Lesson Viewer Screen, the SMART™ Response questions can be opened from the numbers on the media time bar, or to the right of the media viewer window. The first time you launch a question, there will be a slight delay.	

Step 5: As responses from the class come in, you'll notice the Response counter update.	
Step 6: To view the student responses, click the check mark in the question box. The Target Response dropdown will display the expected answer. For Text and Numeric question types, you'll have an option to drag and drop the answers to spark discussion or label a diagram.	
Step 7: Each Ignite! Topic has a related quiz – click the QUIZ! button to begin. On each question, click the button labeled "Start Poll" to send the question out to the clickers. When the class has answered, click "Stop Poll" and the responses will automatically display.	
Step 8: To save the response data for this session, click on "Save Polling Data", name the file, and click Save. This will export the data into an Excel file.	