Track to the future

Datacollection in the 21st century

Amy Hartmann Garner, M.Ed, RYT-200
Westlake High School, Eanes ISD
@amyhgarner
My hope/objective:

Using #GoogleCalendar & #Hashtags, educators will learn how to implement #DataOnTheGo and utilize 21st century #DataCollectionMethods.
ABOUT ME...

Education is my second career:

- Collaborative Science
- Behavior Teacher "SEL"
  - Study skills
  - Social skills
- Eanes ISD- going into 5th year
- Hays CISD- 6 years
- College Station ISD- 1 year
• Born and raised in Fredericksburg, TX
  ○ Family and ranch :)  
• Lived in Austin 15 years  
• Married to Eric  
• Obsessions include: live music, nature/outdoors, sports, animals, traveling, teaching, learning/trying new things, etc. etc. etc.
My Babies

Maddy - 7

Molly Chambers - 9

Zeppelin - 3
MY JOURNEY THROUGH DATA COLLECTION...
HOLY SH*T MAN!!
LOOK AT THIS!!

"STUDY FINDS 50% OF PEOPLE BORED BY
STATISTICS."

Cyanide and Happiness © Explosm.net
"If it is not documented, did it really happen?"

Assists in observing patterns, determining trends

- (class period, time of day, day of the week, etc.)

Numbers, graphs, visuals, etc.

Methods previously used:

- Individual binders for students - Printed calendars, documented data and would count
- 2013-14: Piloted iPad program through special ed technology - Google everything
- Created electronic calendars
  - Still had to count everything and it took FOREVER...
There has to be an easier way!
Quick trip down the history and present day use of the hashtag
What's in a name?

- Octothorpe - Name linked to telephone workers in 1960's
  - octo - eight
  - Thorpe - remains a mystery (Jim Thorpe, telephone workers "Family")

- Pound/Number Sign
- Tic-Tac-Toe
- Sharp
- Hash
- Social Media/This presentation - #Hashtag
The first #hashtag

Chris Messina™
@chrismessina

how do you feel about using # (pound) for groups. As in #barcamp [msg]?
12:25 PM - 23 Aug 2007

First #Hashtag used on Twitter

July 2009- Twitter officially adopted the use of the #Hashtag
#HASHTAG
History Timeline

14th Century
The abbreviation lb for libra enters English and according to common scribal practice it is accessorised with a line drawn across the letters to highlight the use of a construction. Slowly lb becomes # and stands for #Pounds.

12th Century
In music, the # symbol appears called #Sharp. It raises the pitch of a note by one semitone.

1870
French engineer Emile Baudot invents the first telegraph alphabet. In the version used by the British Post Office, 11011 is $ but becomes # in the American version. Both are called #PoundSign.

20th Century
Algebraic Notation replaces Descriptive Notation in Chess. # meaning #CheckMate.

1960
Bell Labs scientists add the symbol on the telephone keypad to send instructions to the telephone operating system. They call it #Octothorpe.

Mid-2000s
The symbol is used IRC networks to #Label groups and topics.

Late 1980s
The symbol starts to have various meaning in several programming languages, e.g. # is used in C-like languages to start a #PreprocessorDirective.

June 2013
Facebook eventually introduces the #Hashtag.

September, 2012
Google introduces the #Hashtag feature on its social network.

June 1, 2009
Twitter hyperlinks all words preceded with #, making the feature official. The #Hashtag is born.

August 23, 2007
Chris Messina (factoryjoe) posts the first Tweet suggesting to use the symbol: "how do you feel about using # (pound) for groups. As in #barcamp [msg]?"
What exactly is hashtag?

**hashtag** /ˈhaSHtag/ **noun**

1. A symbol used on social networking sites to group comments about particular topics.
2. Hashtags make it easy for people to discuss and exchange ideas throughout social media.
How does it work?

- Terms are automatically hyperlinked when a hashtag is added, to the beginning
  - #MustBeOneWord
  - #TheHashtagIsPowerful

- A tool used to categorize topics such as but not limited to:
  - Trending news, events,
  - Keywords and content
  - Describes photos and comments
  - Social & political movements
  - Organizations
  - Music, videos, & TV shows
  - Conversation
  - Memes
  - Advertisements, etc.
WEBSITES THAT SUPPORT #HASHTAGS

DIASPORA*  
Twitter  
Vimeo  
YouTube  
Gawker  
Flickr  
Instagram  
Pinterest  
Featchnotes  
Tout  
Friendfeed  
Kickstarter  
Tumblr  
Orkut
Example #Hashtags

#HowISpent #SummerBreak

#ThisTrainingIsAwesome
Timeline after Twitter adopted the #hashtag

- **JUNE 2012**: Twitter airs its first TV commercial, highlighting the hashtag.
- **OCTOBER 2011**: Google+ begins automatically linking hashtags in posts.
- **SPRING 2011**: Twitter plays a role in the civil unrest of the Arab Spring. #Bahrain becomes one of the most-used hashtags of all time.
- **JANUARY 2013**: Vine launches with hashtag support.
- **MARCH 2013**: Flickr adds hashtag support to its iOS app.
- **JANUARY 2013**: Half of Super Bowl commercials include a hashtag.
- **NOVEMBER 2013**: Twitter holds IPO, proving the power of the hashtag.
- **SEPTEMBER 2013**: Jimmy Fallon and Justin Timberlake spoof hashtag overuse.
- **JUNE 2013**: Facebook begins supporting hashtags.
When a TV show has a hashtag integration, there is a 20% increase in Tweets per minute.

Half of TV users look up TV show and advertising hashtags to see what others are saying.
Create a # for your class, organization, projects & more!

HOW TO USE

#HASHTAGS

TO INCREASE YOUR ONLINE PRESENCE

Hashtags are user-controlled category markings for posts on most social media platforms. (It’s not just for Twitter anymore!) Strategic, consistent use of hashtags is an effective way to create and expand “buzz” for your organization, brand, event or cause – or even yourself!
<table>
<thead>
<tr>
<th>one</th>
<th>two</th>
<th>three</th>
</tr>
</thead>
<tbody>
<tr>
<td>Use proper etiquette on each social network.</td>
<td>Use hashtags to fit your brand.</td>
<td>Create hashtags for your promotions.</td>
</tr>
<tr>
<td>four</td>
<td>five</td>
<td>six</td>
</tr>
<tr>
<td>Keep them memorable and short.</td>
<td>Capitalize the first letter of each word.</td>
<td>Use hashtags in Twitter chats.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>---</td>
<td>---</td>
<td></td>
</tr>
<tr>
<td>one</td>
<td>two</td>
<td>three</td>
</tr>
<tr>
<td>Don’t use spaces or special punctuation.</td>
<td>Don’t use the @ symbol in a hashtag.</td>
<td>Don’t go overboard with too many hashtags.</td>
</tr>
<tr>
<td>four</td>
<td>five</td>
<td>six</td>
</tr>
<tr>
<td>Don’t spam. Just don’t do it.</td>
<td>Make sure hashtags stay within context.</td>
<td>Make sure your hashtags work.</td>
</tr>
</tbody>
</table>
The Power of #Hashtags

Where should hashtags be used?

Conferences and Events
Hashtags are a great tool for networking at live events.

Tweet Chats and AMAs
Hosted chats, and other social media-based events, held at specific times for specific audiences.

Curation and Organization
Breaking news, hobbies, interests, trending topics, and daily hashtags like #ScienceSunday or #WildLifeWednesday

HOW TO USE
16 No spaces in hashtags -
17 #socialmedia not #social media
18 Use at end of message
19 Abbreviate long phrases -
20 #tbt for Throwback Thursday
21 Create your own hashtags -
22 Audi created #WantAnR8
23 Use at events #SXSW14
24 Learn popular hashtags
How to use #Hashtags to collect data: getting started...
EMPHASIS ON BEHAVIOR

- Use for classroom calendar
- Personal calendar with family
Think behavioral &/or academic excesses and/or deficits

**Frequency** - the number of times a behavior occurs in a set amount of time; tally marks

**Duration** - How long?

**Intensity** - On a scale, how severe?

---

**Tracking Behavior 101**

**Antecedent** - What happened right before behavior?

**Behavior** - Brief objective description. Looks like? Sounds like?

**Consequence** - What happened right after behavior?
Getting started

1. #GoogleCalendar
   a. District or personal account

2. Determine what you are going to take data on

3. Create a common list of #Hashtags

4. Create individual calendars
WHEN GETTING STARTED...

● Keep it Simple (unlike Jimmy & Justin)
● Prioritize - Think excesses and deficits
  ○ Not all behaviors/events should have a #Hashtag

FRIENDS
DON’T LET
FRIENDS
#USE TOO MANY HASHTAGS
YOU EXPECT ME TO TAKE DATA?

"I don’t have time to collect and record data..."
WAYS TO (DISCREETLY) COLLECT FREQUENCY DATA

- Paper Clips, pennies, etc. from one pocket to another
- Rubber band on wrists, move to opposite wrist
- Piece of tape on hand to make tally marks
- Tally marks on note card, dry erase board, sticky note, etc.
- Counter
"I have this data...now what?"

Creating Individual Student Calendars & Data Entry
Ipad - Calendar app

*I prefer "Tiny Calendar" rather than Google Calendar App

To create a new event
Type: calendar.google.com
Click here for desktop version
*My preferred method is using a desktop*
CREATE A CALENDAR FOR INDIVIDUAL STUDENT

Click on "My Calendar" and select "Create new Calendar"
SHaring calendars

Add staff members by clicking "Share this Calendar" and add email
All staff needing access to view or enter data on a student

*Staff must have Google Calendar*
1. Enter email addresses here
2. After entering email address, enter "Permission Settings"
3. Click "Add Person"
4. Save
ADDING “Events” to a Calendar
Adding data to student calendars

1. Click on student calendar

2. Click "Create event on this Calendar"
1. Click on arrow
2. Enter #Hashtag; Click “Add”
1. Click on actual day/time event occurred

2. Click 'Create'
How to create new event on this calendar

- Class period
- Academic Subject
- Rating Scale
- Brief Description

Where: This will appear when searching

Title of Event: Enter #Hashtags here, can enter multiple ones
- #Hashtags must be one word

Date & Time(s):
Create new event on this calendar

<table>
<thead>
<tr>
<th>Description of incident 20-25 words (can use #Hashtags, but this will add to your overall frequency count)</th>
</tr>
</thead>
</table>

Double check calendar

Additional documentation, incident report, picture, referral, etc.
Click save

Click "Save" for event to be added to calendar
How does Hill Country document?

- "Week at a Glance" to document when students are in room and any incidents
- Transfer this to individual student calendars

#Antecedent
#Behavior (See Commonly Used Hashtags)
#Consequence

#GW #ThrownItem #Room204
#Tech #ThrownItem #Property #Room204
#Anxious #PS #WorkIn204
“Week at a Glance”

- Write down anything, to be documented on student calendars #hashtag
  - On clipboard in room
  - Students can into the room & reason
- Documentation to refer back to/double check
- Enter weekly, since things can get hectic

**Available in Google Classroom**
OTHER EVENTS TO DOCUMENT & #HASHTAG

Documentation of #ParentContact
#Meetings/#Staffings
#Counseling- (repeating on calendar)
#OT- Occupational Therapy (repeating on calendar)
#Absent

#DrAppointment
Medicaid
#NewIntervention
#MedChange
#ScheduleChange
#PeerMediation

#Hashtags must be ONE word, in order to search
## Commonly Used #HASHTAGS

<table>
<thead>
<tr>
<th>Antecedent(s)</th>
<th>Description of Behavior(s)</th>
<th>Consequence(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>GW- Group Work</td>
<td>Arguing</td>
<td>Timed Break (15 minutes or less)</td>
</tr>
<tr>
<td></td>
<td>Crying/Whining</td>
<td>Praise</td>
</tr>
<tr>
<td>IA- Independent Assignment</td>
<td>IL (Inappropriate Language/Cursing)</td>
<td>Room 204</td>
</tr>
<tr>
<td>T- Transition (in classroom)</td>
<td>Maldown/Tantum (use rating scale)</td>
<td>Parents contacted</td>
</tr>
<tr>
<td>UT- Unstructured time</td>
<td>NFD (Not Following Directions)</td>
<td>Teacher initiated break</td>
</tr>
<tr>
<td>DT- Direct Teach</td>
<td>PS- Personal Space (infringing on personal space of others)</td>
<td>Student initiated break</td>
</tr>
<tr>
<td></td>
<td>Posturing (threatening gesture)</td>
<td>Student directed coping strategy</td>
</tr>
<tr>
<td></td>
<td>Property (property damage and/or destruction)</td>
<td>Adult directed coping strategy</td>
</tr>
<tr>
<td></td>
<td>Peer conflict</td>
<td>Cool down area</td>
</tr>
<tr>
<td></td>
<td>Verbal Threat (to self or others)</td>
<td>Redirect</td>
</tr>
<tr>
<td></td>
<td>Written Threat (to self or others)</td>
<td>PS- Processing sheet</td>
</tr>
<tr>
<td>Social Media</td>
<td>Tech- Technology</td>
<td></td>
</tr>
<tr>
<td>Social Media</td>
<td>To- Thrown Object</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Violation</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Technology</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Work/Refusal</td>
<td>Out of class/Reset (more than 15 minutes)</td>
</tr>
<tr>
<td></td>
<td>Screaming</td>
<td>Restitution</td>
</tr>
<tr>
<td></td>
<td>Sleeping</td>
<td>Apology (note or verbal w/ adult supervision)</td>
</tr>
<tr>
<td></td>
<td>Anxiety</td>
<td>Room Clear</td>
</tr>
<tr>
<td></td>
<td>Sad/Depressed</td>
<td>ISS (In School Suspension)</td>
</tr>
<tr>
<td></td>
<td>LD (Lunch Detention)</td>
<td>ISS (In School Suspension)</td>
</tr>
<tr>
<td></td>
<td>In School Suspension</td>
<td>Home</td>
</tr>
</tbody>
</table>
Incident was quick
Examples

Elaborate here - What object was thrown? Level of intensity?

#GW #TO #Room204

11/16/2015
10:00am to 10:30am

Where
2nd Floor - iPad
map

Video call
Add video call

Calendar
Test

Created by
Amy Garner

Description
Student was working with a group and became frustrated. Threw iPad and was brought to room 204. Went through processing sheet, wrote apology note, spoke with AP and remained in room 204 the remainder of the day.

Will return to classes tomorrow, as long as points are earned while in room 204.
Examples

Enter grades
# Intensity/Use of Rating Scales

## Example Rating Scale for Tantrum Behavior:

<table>
<thead>
<tr>
<th>Level 1</th>
<th>Level 2</th>
<th>Level 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thrown object (has left hand of student)</td>
<td>Damage to property or broken property. Medical attention needed from nurse; minor visible injury</td>
<td>Damage to property and injury to student, other students or staff. Medical attention needed may be required from nurse and/or physician</td>
</tr>
<tr>
<td>No medical attention needed, no damage to property</td>
<td>Raising voice, crying/whining,. etc.</td>
<td>Previous behaviors in addition to: slamming doors, scream, hands, feet and objects not to self, damage to property, etc. Ability to process &gt; 20 minutes</td>
</tr>
<tr>
<td>Ability to process &lt; 5 minutes or less</td>
<td>Previous behaviors in addition to: arguing, stomping feet, refusal to comply, etc. Ability to process &lt; 10 minutes or less</td>
<td>Previous behaviors in addition to: slamming doors, scream, hands, feet and objects not to self, damage to property, etc. Ability to process &gt; 20 minutes</td>
</tr>
<tr>
<td>Disrupts own learning</td>
<td>Disrupts learning of peers in classroom</td>
<td>Disrupts multiple classrooms</td>
</tr>
</tbody>
</table>

- **Level 1**
  - Thrown object (has left hand of student)
  - No medical attention needed, no damage to property

- **Level 2**
  - Damage to property or broken property.
  - Medical attention needed from nurse; minor visible injury
  - Raising voice, crying/whining, etc.
  - Ability to process < 5 minutes or less
  - Previous behaviors in addition to: arguing, stomping feet, refusal to comply, etc.
  - Ability to process < 10 minutes or less

- **Level 3**
  - Damage to property and injury to student, other students or staff.
  - Medical attention needed may be required from nurse and/or physician
  - Previous behaviors in addition to: slamming doors, scream, hands, feet and objects not to self, damage to property, etc.
  - Ability to process > 20 minutes
  - Disrupts multiple classrooms
Intensity of Behaviors

Use Rating Scale

Student did not understand directions and became frustrated. Brought to room 204, to complete assignment and process situation.
QUICK RE-CAP

Title of event- Enter #Hashtags here (can enter multiple ones)

Date & Time-

Where- Class period/Subject/Rating scale/Brief Description/Frequency

Calendar- Double check event is being entered on correct calendar

Description- 20-25 word description of incident/behavior/reason for documentation

Attachment- add attachments as needed (incident report, referral, photos, etc.)

Always SAVE
MODELING/PRACTICE
Searching calendars & reviewing data
Click, “Display only this Calendar.” Otherwise you will search all calendars.

Or click on #Hashtags.
In search bar, type #hashtags you want to search

To search, type in #Hashtag

Reminders:
- #Hashtag must be one word
  Ex. #ThrownItem
  Not #Thrown Item
- Only search one #Hashtag at a time
Intensity of behavior(s)

Frequency of behavior(s)

Duration of behavior(s)

Documented incidents will be listed here

Search #Tantrum

Calendar

#Tantrum

Tue Nov 3, 2015
9:00am – 9:06am
@Transition #PS #Tantrum #Room204 #ParentContact - Math: Intensity (2)

Tue Nov 10, 2015
9:00am – 10:13am
@RA #Tantrum #Room104 - 1st Math: Intensity (2)

Mon Nov 30, 2015
9:30am – 10:30am
@RA #Tantrum #TO #Room204 #ParentContact #AP - ELA: Intensity (3)
<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wed Nov 4, 2015</td>
<td>10:17am – 11:09am</td>
<td>#Prompts - 3rd-PE: 9</td>
</tr>
<tr>
<td>Thu Nov 5, 2015</td>
<td>11:13am – 12:05pm</td>
<td>#Prompts - 4th-ELA: 5</td>
</tr>
<tr>
<td>Thu Nov 12, 2015</td>
<td>8:30am – 9:30am</td>
<td>#Prompts - 1st-Math: 7</td>
</tr>
</tbody>
</table>

Gives frequency of behavior or number of incidents.
For academic data collection, RtI, etc.
Data can be viewed by day, week or month.
To print student calendar, click "More"
Select "Print Range" to choose a specific range of dates to print or save as a PDF. Use "Print" for hard copy or "Save As" to create a PDF.
Quick re-cap: searching calendars

● Select "Display this Calendar Only"
  • If not, all calendars will be searched

● In search bar, type in #Hashtag
  • #Hashtag must be one word
  • Only search one #Hashtag at a time

● Will create list of dates and frequency of behaviors

● Calendars can be printed and/or saved as a pdf
Modeling/practice
➢ Able to pull up data anywhere, anytime
➢ Compare data over time
➢ Grow your social media presence and MORE!
Other Ideas

Everyone has something they want to keep track of:

- Lesson plans - #Math #PBL #Outside #Lab
- Meetings, events, etc.
- Keeping up with organizations & clubs
- Exercise routine - #Yoga #Run #Weights
- Family schedules - individual calendars for family members
In conclusion...
QUESTIONS?
MAKE AND TAKE: YOUR OPPORTUNITY TO CREATE A DATA COLLECTION SYSTEM
Questions? Comments? Need more Information? Want to Collaborate?

Twitter: @amyhgarner
Email:agarner@eanesisd.net or ahartmann7@gmail.com