# **Education Sample Databases**

HanDBase for Education includes a number of databases for use by teachers, students, and administrators alike. This document will explain how to use each one of them. One of the best features of HanDBase is its database and forms designer, so you can use these sample databases as inspiration or starting points for your own solutions!

### **Unit Convertor**

This database contains over 900 records, and lets you easily convert between many types of common units.

Using Custom designed forms, you can enter a value in one unit format and see the equivalent value in another format.

Carr	ier 奈			2:59 PM			100% 🚍
	Databases		Cancel	С	onvert	Values	ок
>	All						
>	Agenda		horsen	ower to kilowatte	s	kilowatts to horsenower	
>	Curriculum		Погоср			Kilowalls to horsepower	
>	Evaluation		In: 1 horsepower				
>	Forms		There are	: 0.7457 kilowa	atts		
>	Grades K-2						
>	Information		Enter h	norsepowe	r	100.0000	
>	Lookup Tables				Calcu	Ilate	
>	Personal		Equals	74.5700		kilowatts	
>	Student Hub						
$\sim$	Reference						
	Math Formulas						
	Periodic Table						
	Unit Convertor						
>	Student Hub: Tables						
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Carr	ier 奈		2:59 PM 100%	% 🗭
	Databases		Cancel E Convert Values	ж
>	All			
>	Agenda		horeonower to kilowetto	
>	Curriculum		Rilowalls to horsepower	
>	Evaluation		In: 1 kilowatts	
>	Forms		There are: 1.3410 horsepower	
>	Grades K-2			
>	Information		Enter kilowatts 50.0000	
>	Lookup Tables		Calculate	
>	Personal		Equals: 67.0511 horsepower	
>	Student Hub			
$\sim$	Reference			
	Math Formulas			
	Periodic Table			
	Unit Convertor			
>	Student Hub: Tables			
4	- () ¢	S		ىع

You can tap the tabs along the top to change the directions of your conversion.

Categories such as Volume, Distance, Weight/Mass, and more let you filter down the long list of choices to help you locate the unit conversion you're looking for.

Carrier 奈		2:57 PM			100% 🚍
Databases		Unit (	Convertor Q se	earch All Fields	•
All Discipline	From Unit	To Unit	Factor	Category	
District Contacts	Mams	joules/cm	0.0001	Mass/weight	#
Flash Card Designer	grams	kilograms A	All By Category	Mass/weight	B
Grades	grams	pounds	Distance	Mass/weight	D
Handbook	grams	ounces (avoirdupoi	s) Volume0353	Mass/weight	F
Leave Types	grams	ounces (troy)	Area0.0322	Mass/weight	G H
Math Formulas	kilograms	pounds	Time	Mass/weight	J
Number Carde	P		luminance		K L
Password Keeper	horsepower	kilowats	Power <sup>7457</sup>	Power	M
Periodic Table	nepers	decibels	Energy 6860	Power	O P
Science Lab	watts (absolute)	Btu (mean)/min	Electrical 0.0569	Power	QR
Science Lab - Data	Btu/min	kilowatts	Speed <sup>0176</sup>	Power	S T
Student Hub	horsepower	watts	Viscocity <sub>5.7000</sub>	Power	U V
Tardiness	watte (absolute)	Fi	requency/Rotation	Power	W
Transportation Req.	waits (absolute)	joures/sec	Density	ower	Y
Unit Convertor	horsepower	kg-calories/min	Torque <sup>0.6800</sup>	Power	Z ?
+ 6 0 5		All By Cate	egory (925/925)		ىتر

You can also use the Super Search feature and enter a unit that you're looking for (e.g., centimeters) and see only the entries that involve the conversion of centimeters.

Carrier 奈		3:00 PM				
Databases		Unit Convertor Q centime				
) All		From Unit	To Unit	Factor	Category	
> Agenda		Vabic centimeter	drachm (Brit. fluid)	0.2816	Volume	#
Curriculum		cubic centimeter	cu. millimeter	1000.0000	Volume	AB
> Evaluation		cubic centimeter	gallon (Brit liq.)	0.0002	Volume	C
> Forms		pints (US dry)	cu centimeters	550.6105	Volume	E F
Grades K-2		cubic centimeter	quart (US liq.)	0.0011	Volume	G H
		cubic centimeter	gallon (US liq.)	0.0003	Volume	J
		cubic centimeter	dram (U.S. fluid)	0.2705	Volume	K L
Personal		cubic centimeter	pint (US liq.)	0.0021	Volume	N
Student Hub		cubic centimeter	cu. foot	0.0000	Volume	P
		cubic centimeter	cu. inch	0.0610	Volume	Q
Math Formulas		cubic centimeter	cu. yard	0.0000	Volume	T
Periodic Table		cubic centimeter	liter	0.0010	Volume	v
Unit Convertor		cubic centimeter	cu. meter	0.0000	Volume	X
> Student Hub: Tables		pints (Brit.)	cu centimeters	568.2613	Volume	Z ?
+ 6 0	9	Z	All By Category	(63/925) 🔿		ىتجر

You can add your own entries as needed. All you need to know are the two units and the conversion factor between them. A different form is shown for adding a new record.

Carrier 주	3:0	1 PM	100% 📼
Databases	Cancel	New Record	ок
> All			
> Agenda	In: 1	Kilobyte	
> Curriculum	There are:	1024	8
> Evaluation	more are.		
> Forms	Of:	Bytes	
> Grades K-2	Category	📀 No Value	
> Information		Save Entry	
> Lookup Tables		Save Entry	8
> Personal			
> Student Hub			
✓ Reference			
Math Formulas			
Periodic Table			
Unit Convertor			
> Student Hub: Tables			
- C C C +		iii	يو ر

#### <u>Notes</u>

Additional Databases Required: None Target Audience: Students

### **Periodic Table**

Note: Data for this database was taken from Wikipedia: https://en.wikipedia.org/wiki/Periodic\_table and GPeriodic: http://www.frantz.fi/software/gperiodic.php

The Periodic table database shows all of the elements and lets you filter or sort by:

Atomic Number Atomic Weight Alphabetically State at 0 degrees © - Solid, liquid, gas, or unknown Metals/NonMetals/Metalloids

When you tap an element you'll see the color coded periodic table entry. The background color of the card indicates the section in the periodic table. The color of the atomic number indicates the state at 0 degrees. Black = solid, Green = liquid, Red = gas, Grey = unknown.



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Carr	ier		3:04 PM		100% 🚍
	Databases		Cancel	Element Details	ОК
>	All				
>	Agenda		Name	Hydrogen	
>	Curriculum				
>	Evaluation		Symbol	Н	
>	Forms		🛇 Group	1	
>	Grades K-2		Period	1	
>	Information		Atomic Number	1	
>	Lookup Tables		Atomic Weight	1.0079	
>	Personal		Density	0.0708 (@ -253degC)	
>	Student Hub		Melting Point	14.01	
~	Reference		Boiling Point	20.28	
	Math Formulas		Atomic Radius	79	
	Periodic Table		Covalent Padius	32	
	Unit Convertor		Covalent haulus	32	
>	Student Hub: Tables		Ionic_Radius		
+	<b>6 0</b>	9	Ĩ		ىر

Tap the More... button to see or edit the complete details for this element.

### <u>Notes</u>

Additional Databases Required: None Target Audience: Students

## **Flash Card Designer**

With the Flash Card Designer a teacher or a student can easily create a set of flash cards to self-quiz on topics for upcoming quizzes or tests.

To begin, tap the New Record button.

Carrier 중	3:05 PM		100% 🚍
Databases	Cancel	Design a Card	ок
> Evaluation			
> Forms	Category:	Tap to selecta category	
> Grades K-2	Question:		
> Information			
> Lookup Tables			
> Personal			
> Student Hub			
> Reference			
> Student Hub: Tables	Answer:		
✓ Workbooks			
Art History			
Bell Work			
Flash Card Designer			
Science Lab			
Science Lab - Data	Cro	ate Apother Card	
Vocabulary Builder			
+ <b>0 0</b> S		Â	معر

Enter your question and answer here. Select a category. To create a category choose the 'Edit Popups' choice, then press the + button and enter a category.

Carrier 奈				3:0	6 PM					100% 🚍
	Databases		Cancel			Design a	Card			ОК
> Eva	luation							2		
> For	ms	Back		Edit Categ	ory Popu	ps			a category	
> Gra	des K-2	•	Tap to select/c	reate a categ	ory			≡	ula for the	
> Info	ormation		Mathematics				$\odot$	=	gle?	
> Loo	kup Tables		State Capitals					=		
> Pers	sonal									
> Stu	dent Hub									
> Refe	erence									
> Stu	dent Hub: Tables								= Area	
$\vee$ Wor	rkbooks									
Art Hi	listory									
Bell V	Work									
Flash	n Card Designer									
Scien	nce Lab									
Scien	nce Lab - Data	+		_				a <sub>b</sub>	1	
Vocal	bulary Builder							C	r	
+	<b>i o</b>	1	SZ			Ē	Ĩ.			ىر

Now go back and select this as your active category for this record.

Carrier 奈		3:09 PM						
	Databases	Cancel	Design a Card	ОК				
$\geq$	Evaluation							
>	Forms	Category:	Mathematics					
>	Grades K-2	Question:	What is the formula for the					
>	Information		area of a rectangle?					
>	Lookup Tables							
>	Personal							
>	Student Hub							
>	Reference							
>	Student Hub: Tables	Answer:	Length x Width = Area					
$\sim$	Workbooks							
	Art History							
	Bell Work							
	Flash Card Designer							
	Science Lab							
	Science Lab - Data	" Cre	ate Another Card					
	Vocabulary Builder							
+	<b>i</b> Ö	G 🗹 🔺	Î	مکر				

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Repeat for as many questions as you need.

Now when someone wants to quiz themselves on these cards, select the View selector at the bottom and choose 'All Questions Not Yet Mastered'. This will show only the records where the checkbox for 'Mastered' has not been checked.

Tap the first record and view the question.



Carrier ô		3:11 PM			100% 🖃		
Databases		Cancel Answer					
> Evaluation		What is the formula for the area of a					
> Forms		rectangle?	rectangle?				
> Grades K-2		Answor	Longet	a v Midth Area			
> Information		Answei	Lengtr	n x width = Area			
> Lookup Tables							
> Personal							
> Student Hub							
> Reference							
> Student Hub: Tables							
$\vee$ Workbooks							
Art History							
Bell Work				stered this question?			
Flash Card Designer		Previous Ques	stion	Next Question			
Science Lab							
Science Lab - Data		Start Over					
Vocabulary Builder							
+ 6 0	S				بعر		

When you are ready to see the answer, select the Show Answer button.

If you are pleased with your knowledge of the question, check the Mastered This Question box and choose Next question to go on to the next question.

When there is no longer a "Next Question" button visible you've reached the end. You can then start over on all the questions you did not master- just choose the Start Over button and repeat.

When all questions are mastered, you are finished studying!

To use these cards again, go to the List View and tap the Mastered? field name at the top. Select Set Value To.. and make sure the box is unchecked. Press the 'Set Values' button to clear the checkbox for all records or only those in the current filter range (whichever you prefer and select in the options below).



### <u>Notes</u>

Additional Databases Required: None Target Audience: Students, Teachers, Parents

### **Password Keeper**

Keep Locker Combinations, Lunch PIN #s, class website passwords, etc secure with 128 bit encryption. This database lets you store all your passwords and find them quickly and easily. You only need to remember a master password to get access to all of them.

When opening the database for the first time, you'll be prompted for a master password. This password will be used to later encrypt any data you've entered. Be sure to pick something someone can't easily guess but that you can easily remember- by design the password is used to encrypt the data, so it can't be changed or recovered without losing the data that has been encrypted with it. This is designed for your protection!

Carr	ier 🗇	1:4	100% 🖿	
	Databases		Password Keeper	Search Name
>	All	Name	Category	
>	Agenda	L		#
>	Curriculum	Gym Locker	Locker Combination	B
>	Evaluation	Locker	Locker Combination	D
>	Forms	Lunch PIN	Lunch PIN	F
>	Grades K-2	Language Arts Online	Online TextBook	G
5	Information	Textbook Math Online Text Book	Online TextBook	J
>		Science Online Textbook	Online TextBook	K L
	Porsonal	Social Studies online	Online TextBook	N
~	Personal Verson	TextBook S		P
	Password Keeper	Student ID #	Student ID	Q
				S T
>	Reference			u v
>	Student Hub: Tables			Ŵ
>	Workbooks			
+	C 40 🚯		By Category (8/8) 🔿	ىكى

The database comes pre-filled with a few entry ideas

To add a password for one, simply tap the record and edit it. Or tap the New button at the bottom left to create a new entry altogether.

Carrier 奈	1:47 PM	100% 📼
Cancel	Edit Entry	ОК
Name:	Lunch PIN	
Category:	Sunch PIN	
Expires:	So Date	
Address:		$\odot$
Username:		$\bigotimes$
Password:	53146	
Contact:		$\overline{\mathbf{S}}$
Notes:		
		عر

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When you exit the database or switch to another, the password will encrypt the password data and keep it safe until you need it again.

#### <u>Notes</u>

Additional Databases Required: None Target Audience: Students, Teachers, Administration

### **Absence Request**

This database serves as a template for a building/district leave request form for teachers and staff.

Upon opening the database, tapping the New Record button in the lower left corner will open a blank form for ready for filling out by the teacher or staff member. Tapping in the blanks will cause the onscreen keyboard to appear to enable text entry.

Carrier 奈	12:27 PM	100% 🚍
Cancel	Absence Request	ОК
Teacher Name:		
Luke Skywalker		
9/24/13	Compensatory	
All Day?		
01:00:00 pm	03:30:00 pm	
Multiple Days?		
Not applicable		
Buildina:	Department:	
Jedi Temple	Light sabers	
Subjects Taught:		
Dueling		
_		
Reason:		
Notes:		
I will be away starting at 1 pm.		
NEEDS	Signature:	
Substitute?		
Reimbursement?		
Transportation?	L'un ihei	
	L'internet	
Email as Text	JANA"	
Email/Print Form	- 0	
	·	
	â	يکر
		0

Upon completing the form, it can easily be emailed, printed or exported as a PDF file using the button controls at the bottom. Forms can be saved for record keeping or review by pressing the OK button in the upper right corner of the display.

r 🗟	12:28 PM	10
Cel Abs	ence Request.PDF	
£		
/Bcc:		
biect: Absence Request.PDF		
Teacher Name:		
Luke Skywalker		
9/24/13	Compensatory	
All Day?		
01:00:00 pm	03:30:00 pm	
Multiple Days?		
Not applicable		
Building:	Department:	
Jedi Temple	Light sabers	
Subjects Taught:		
Dueling		
Reason:		
Jedi Reunion (Personal)		
Notes:		
I will be away starting at 1 pm.		
NEEDS	Signature:	
Substitute?	1. ° 0	]
Reimbursement?	Lune -	
	L' ILPL	

Generating absence requests via this database is especially beneficial, not only because it aides in the process of moving towards a paperless environment, but it allows for staff and teachers to easily track their own leave.

#### <u>Notes</u>

Additional Databases Required: None Target Audience: Teachers & Staff

# **Alphabet Cards**

Useful for elementary aged students, this database incorporates an interactive writing surface that allows children to practice writing letters. Students can practice writing letters in upper case, lower case and both.

In order to begin practicing, open the database and select one of the records. The dynamic drawing form will appear. Samples of the letters are illustrated so that students can easily check the accuracy of their efforts. Encouraging students to strive for accuracy, a "Clear" button is available to easily erase the written marks if more practice is needed.



Students can easily navigate through the letters of the alphabet using the directional arrows at the bottom of the display.

Tapping the OK button in the upper right corner of the screen will cause student work to be saved for review and/or record keeping. Tapping Cancel in the upper left will cause student work to be erased. This may be useful in situations where only practice is necessary.

### <u>Notes</u>

Additional Databases Required: None Target Audience: Students (K-2)

## **Art History**

A workbook for students of the visual arts, information about artists, styles of art and more can be collected and collated into a personally generated reference.

Upon opening the database, a student should tap the button in the lower left corner of the screen to generate a new template. Information can then be filled out, tapping in the rectangular text fields to cause the onscreen keyboard to appear. A sample image of artwork from a particular movement can be embedded within each form using the controls at the bottom of the form. Images can be selected from the camera roll or taken with the device's built in camera.

Carrier 奈		1:32	2 PM		100% 🚍
Cancel		Art H	istory	_	ОК
Movement:	Abstract Expressic	onism			
Time Frame:	Post WWII				
Location:	New York				
Description:					
Also referred process.	to as Gestural abst	raction because i	ts brush strokes revea	led the artist's	
Characteristic	cs:				
Style: Messin slathering, ar	ess and extremely ad flinging lots of pa	energetic application int on to the canv	tions of paint. Drippin as.	g, Smearing,	
Major Artists:	1				
Jackson Polla	ack, Willem De Koo	ning,			
Historical Co	ntext:				
Exposure to o emotions and	death and destruction I anger.	on of World War I	l created motivation to	show	
Social Contex	ct:	Correla	tions:		
1					
				يع	+
Q W	ER	Т	r U I	0	P
A	S D	FG	нј	KL	return
	X C	VB	NM	!?	¢
.?123				.?1	23

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When finished with a page, tapping the OK button in the upper right corner of the screen will save the record. Tapping the Cancel button in the upper left will cause student work to be erased when the page is closed.

### <u>Notes</u>

Additional Databases Required: None Target Audience: Students

### **Bell Work**

Never again get caught with no meaningful way to motivate and engage students at the beginning of class. Using common bell work activities could not be simpler when using the Bell Work database.

Upon opening the database, tapping the button in the lower left corner will create a new record. Students can then easily tap in the blank text areas to record their name, the date, the question / prompt and compose a response.

Carrier 奈	1:37 PM	100% 🚍
Cancel	Bell Work	ОК
Name: John Smith 8/2/13		
Course: Mathematics		
Prompt:		
If you had to carpet the area you would go about determin	of a room with an irregular shape, describe the process ning the amount of carpet you would need?	
Response:		
The first step would be deter outer edges of the walls and would divide the room into re these sections using Length determine the overall area no I would also take into account the customer wanted all of the area of the outer dimensions	mining the dimensions of the room. I would measure the draw a representation of this on a piece of paper. Then I ectangles of determinable size and calculate the area of x Width calculations. I'd then add up all of these areas to eeded. In how many pieces I would have to cut of this carpet. If he carpet as a single piece, I would have to compute the s of the room and cut away the excess material.	
Email	Print	
Q W E A S D & Z X (	R T Y U I O F G H J K L C V B N M !	P return
.?123		?123

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That response can then be submitted via email using the onscreen button at the bottom of the form.



Tapping OK in the upper right corner will cause student work to be saved for easy review. Tapping Cancel in the upper left corner will cause student work to not save.

### Notes

Additional Databases Required: None Target Audience: Students, Teachers

# **CCR** Implementation

This database is designed to serve as a tool that non-ELA (English/Language Arts) teachers can use to document their implementation of CCR (College and Career Ready) standards, a subset of the larger CCSS (Common Core State Standards) model.

Teachers can easily document the date of the activity, the course in which it was integrated and using popup selectors, easily notate which of the specific standards the activity focuses on.

To add a record, open the database and tap the button in the lower left corner. Fields for teacher name and and course are available. Tapping the Date button will allow for selecting the date of the implementation activity.



The first of the popup buttons, when pressed will allow for selecting an Anchor Standard of Reading, Writing, Speaking & Listening or Language.

The next will allow selection of the relevant standard.

Next, a summary field is available so that a brief description of what the students did during the activity can be logged.

Tapping the OK button in the upper right corner will cause the record to be saved. Tapping the Cancel button in the upper left corner will cause the record to be erased.

#### <u>Notes</u>

Additional Databases Required: None Target Audience: Teachers

### **Classroom Walkthrough**

Classroom Walkthrough's conducted by administrators and peers are becoming an increasingly popular means of improving the quality of education via observation and reflection.

The Classroom Walkthrough database provides the ability to easily capture information. After opening the database, tap the button in the lower left corner to begin a new evaluation.



At the beginning of the observation, course information as well as the date and start time should be recorded.



Buttons along the right side of the form allow for easy navigation between additional sections. Topics for the classroom walkthrough are now categorized as Course Information, Date and Time, Objectives, Student Engagement, Teacher Engagement, Class Environment, Technology, and Summary. The contents of each section can be filled out via a combination of text entry, selecting values from popups and checking boxes.



When finished with the observation, the end time should be marked in the Date and Time section.



Pressing the Export button will switch the display to a long text formatted report that can be emailed, printed or exported as a PDF file. Press the Email/Print/PDF button to perform this action from this page.

Carrier 奈	10:09 PM		100% 🚍
Cancel	Classroom Walkthrough Rep	oort	ОК
Classroom Wa	Ikthrough Report	Course Info	
Course		Date & Time	
Teacher Name	Jimmy Small	Objectives	
Subject	Math	Students	
Course	Algebra 1	Teacher	
Class Period	2	Class	
Date & Time		Technology	
Date	8/1/13	Summary	
Start Time	09:30:00 am		
End Time	11:00:00 am		
Duration	1:30:00	Email/Print/PDF	
Part of Class	Middle		
Objectives			
<b>Objective Posted?</b>	1		
What is Objective?			
	Students will demonstrate comprehension of factoring polynomials.		
CCSS/CCR Integrated? Notes on Objective	1		
2		_	يعر

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Tapping the OK button will save the record while tapping the Cancel button will cause the record, if not already saved, to be erased.

#### <u>Notes</u>

Additional Databases Required: None Target Audience: Administrators & Teachers

### **District Contacts**

This database is designed to serve as a digital, portable list of contacts of the teachers, staff and administrators of a school district. Information, including teaching assignments, phone numbers and email addresses are all easily accessible, with the option to email directly from within the database.

Adding contents to this database is as easy as opening it and tapping the + button in the lower left corner. Fields for name, school, position within the school and means of contact can be filled out using the onscreen keyboard.

Carrier 🤶	1:59 PM	Л	10	00% 🖻
Databases	Cancel	District Contacts		ок
$\vee$ All				
Absence Request	Name:			
Alphabet Cards	Sebeel:	Position		
Art History	School.	Position:		
Assignment Agenda				
Assignment Types	Phone:			
Attendance	(123)123-1234			
Bell Work	Phone			
CCR Implementation	Phone:			
Classroom Walkthru	Email:			
Course Info	Obiwan@jediSchools.com			
Discipline	Emoile			
District Contacts	Email:			
Flash Card Designer				
Grades	Antioner			
Handbook				
Leave Types	Email	Email/Print Form	Print	
Math Formulas				
+ 6) O S				مکر

In order to save a contact, press the OK button in the upper right corner or to cancel the saving of a record, tap the Cancel button in the upper left corner.

Contacts can be easily emailed or printed using the onscreen controls at the bottom of the form.

Aside form being useful for employees of a district, this can serve as a wonderful asset for parents of students. Teacher contact information will always be a few taps away!

#### <u>Notes</u>

Additional Databases Required: None Target Audience: Administrators, Teachers, Staff, Students, Parents

### Handbook

Useful for students, teachers / staff and parents alike, this database can be used to replace the paper based handbooks of yesterday. Information on various topics - including emergency procedures, dress code guidelines, attendance policies and more - can easily be referenced.

While viewing the main screen, which shows the list of topics, tapping the button at the bottom-middle of the screen will enable switching to different categories of information. Sample categories include attendance, behavior, dress code, emergency procedures, facilities, passing periods, cancellations and technology.

Carrier			2:50 PM				100% 🚍
Databases				Handl	book	Q Search All Fields	•
V At History		Category	Торіс		Informatior	1	
Assignment Agenda		Emergency	In case of a torna	do	studente	and teachers are to	
Assignment Types		Procedures	in case of a tornat		siddenis	and reachers are to	
Attendance		Procedures	In case of a fire		students	and teachers are to	
Bell Work		Emergency Procedures	In case of an eart	nquake	students	and teachers are to	
CCR Implementation		Attendance	Tardiness is define	ed as			
Classroom Walkthru		Attendance	Excused Absence	s	Prior to a p	lanned absence	
Course Info		School	In the event of a s	chool	atudanta	and to obcro abould	
Discipline		Cancellations	cancellation		students	and teachers should	
District Contacts				A	II Topics	~	
Flash Card Designer				Å	Attendance		
Grades					Behavior		
Handbook				Emoro	ress Code	turae	
Leave Types				Lineig	Facilities	uies	
Math Formulas				Pas	sing Period	Is	
Notes				C	ancellations		
Number Cards				Т	echnology		
Password Keeper					Edit Views		
+ 0 0	S			All Topic	s (6/6) 🔷		مع

New records can be added to the handbook by tapping the button in the lower left corner and filling out the contents of the form. The Category of a topic can be selected by pressing the onscreen button and fields can be filled using the onscreen keyboard.

Carrier 🤶	2:51 PM	100% 🚍
Databases	Cancel Hand	book
V At History	Attendance	
Assignment Agenda	Category Attendance	No Value
Assignment Types	Topic Dress Code	
Attendance	Emergency	Procedures
Bell Work	Facilities	
CCR Implementation	Passing Pe	riods
Classroom Walkthru	School Can	cellations
Course Info	Technology	/
Discipline	No Value	
District Contacts	Edi	it Popups
Flash Card Designer		
Grades		
Handbook		
Leave Types		
Math Formulas		
Notes		
Number Cards		
Password Keeper		
+ 6) 6) 5.		ىر

In order to save an entry into the handbook, tap the OK button in the upper right corner. To cancel the saving of an entry, tap the Cancel button.

### <u>Notes</u>

Additional Databases Required: None Target Audience: Administrators, Teachers, Staff, Students, Parents

### **Number Cards**

Useful for elementary aged students, this database incorporates an interactive writing surface that allows children to practice writing numbers. Students can practice writing numbers 1 through 100.

Students can begin practicing by opening the database, tapping the button at the bottom-middle of the screen to choose a range of numbers - 0 through 100, 100 through 0 or groups of 10, i.e. 11 through 20. A student should then tap the first of the numbers in the list to cause the dynamic drawing area to appear. Samples of the numbers are illustrated so that students can easily check the accuracy of their efforts. Encouraging students to strive for accuracy, a "Clear" button is available to easily erase the written marks if more practice is needed.



Students may save their work by pressing the OK button in the upper right corner or opt not to save it, perhaps in the case of practice, by pressing the Cancel button.

### Notes

Additional Databases Required: None

Target Audience: Students (K-2)

### **Science Lab**

Every good scientist logs the details of their experiments. This database makes the process of recording this information simple.

Starting the process is as simple as opening the database and tapping the button in the lower left corner.

Carrier 🤶	2:53 PM	100% 🕮
Cancel	Lab Write Up	ОК
Title:	Name:	
No Date		
Lab Partners:		
llumathasia		
Hypotnesis		
Materials:		
Procedure:		
Data:		
Results:		
Canalusiana		
Conclusions:		
View Lab Data	New Data Entry	
		(r
		P

With predefined sections available, a student scientists never has to omit information from a report. Students should start by recording their name, date and if applicable, lab partners. Sections for hypothesis, materials, procedure, data, results and conclusions are all available.

At the bottom of the form, tapping the New Data Entry button will switch to a new display where measurable data can be recorded. Associated lab data can also be viewed by pressing the View Lab Data button.

Carrier 奈		2:56 PM		100% 🚍
Cancel	Lab Data I	Measurement En	try	ОК
Title	Bat Materials Lab			
Time	02:55	:51 pm		
🛇 Measurement Ty	pe Distance Recording			
Measurement Va	lue 150.4	8		
Running Total	Measurement Count	Running Average		
417.8400	3	139.2800		
Observations				
	<ul> <li>İ</li> </ul>		ىكى	+
1 2	3 4 5	6 7	8 9	0
- /		()\$	& @	Done
#+= undo	. ,	?!	, ,,	#+=
ABC			A	BC

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Every report can be submitted directly from the form and can also be saved for easy reference in the future. Tapping the wrench button at the bottom of the screen will show options for saving the report as a PDF file, emailing the record or printing it.

Upon finishing with the report, tapping the OK button in the upper right will save it while pressing Cancel will cause it to be erased.

#### <u>Notes</u>

Additional Databases Required: - Science Lab Data Target Audience: Students

### **Student Hub**

Student information, be it attendance, emergency contact info, class schedules and more, is essential data that needs to be available at all times. Using the Student Hub database, it is easy to:

- view class rosters,
- quickly log attendance at the beginning of class, during an assembly and more,
- track student discipline issues,
- record student notes, grades and attendance
- lookup student / parent contact information
- check student medical and emergency information

All of the data is organized in easy to navigate forms for a fluid user experience.

In order to begin using the Student Hub database, either tap the name of a student in the list or tap the button in the lower left to add a new entry. At first you will see the Student Hub's main screen, where information is arranged into meaningful categories.



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The first, Present?, is designed for quick recording of a student's attendance. This could be useful for quick notation at the beginning of a class, during an assembly or in the unfortunate occurrence of an emergency.

Carrier 奈			10:12 PM	
Dat	abases	Cancel	Present?	ОК
) All				
> Agenda		Student	Luke Skywalker	
	n	Course:	Jedi	
> Evaluation		Date:	7/18/13	
> Forms				
> Grades K-	2		Present	
> Informatio	n			
> Lookup Ta	bles		<- Back	
> Personal			C Duon	
$\sim$ Student H	du			
Student Hub				
> Reference	C.			
> Student H	ub: Tables			
> Workbook	S			
+ i	<b>\$</b>			ىكى

Present?, as with the other sections, features a Back button to return to the master screen of Student Hub.

The second section, Demographics, provides access for viewing and recording basic information about a student, including their gender, ethnicity and more.

Carrier 🤶	10:12 PM	100	)% <b>P</b>
Databases	Cancel	Demographics	ок
> All			
Agenda	Student:	Luke Skywalker	
Curriculum	Course:	Jedi	
	Grade Level:	11	
> Evaluation	Gender:	М	
> Forms	Ethnicity:	Caucasian / White	
> Grades K-2	Birthday:	7/18/13	
> Information	Notes:		
	Notes.	Overall good guy with a unique family	
> Personal			
✓ Student Hub			
Student Hub			
> Reference		<- Back	
> Student Hub: Tables			
Workbooks			
+ <b>0 0</b> - S	$\mathbf{Z}$	<u> </u>	ىع

Contact Information and Emergency Information comprise the next two sections, making it very easy to find information about who to reach regarding student concerns.



The next section, Medical Information, can be completed to include information about medical conditions, medicine being taken or general allergies.

Carrier 奈	10:13 PM		100% 📟
Databases	Cancel	Medical Information	ОК
) All			
> Agenda	Student:	Luke Skywalker	
Curriculum	Course: Condition(s):	Jedi	
> Evaluation	contantion(c).	Afraid of Ewoks	
> Forms			
> Grades K-2	Medication(s):	None	
> Information			
> Lookup Tables			
> Personal	Notes:	Umm	
$\sim$ Student Hub			
Student Hub			
> Reference			
> Student Hub: Tables			
> Workbooks		<- Back	
+ 0 0 5			عر

The Logging and Reports Panel moves away from the previous styles of information into a section where per student notes, attendance - both absences and tardies, grades and discipline issues can be logged. Tapping the New button will create a new entry for each of the respective sections, while the View button will allow viewing of previously entered values. Quick reports are also available, allowing checking a students grade, his or her attendance and history of discipline incidents a snap.

Carrier 🔶 2:59 PM			100% 🚍	
Cancel	Logging & Rep	ports Panel		ОК
Student: Course:	Luke Skywalker Jedi			
Notes:	2	New	View	
Absences:	1	New	View	
Tardies:	1	New	View	
Grade:	0.970	New	View	
Discipline:	2	New	View	
	<- Back			
				ىتو

The final section, Course Info, allows students to record general information about the classes they take, including web based references, the ability to email the teacher and more.

Carrier	10:13 PM		100% 🚍
Databases	Cancel	Course Info	ок
> All			
Agenda	Period:		
	Title:	Jedi	
Curriculum	Room #:		
> Evaluation	Start:	No Time	
> Forms	End:	No Time	
> Grades K-2	Teacher:		
> Information	Email:		
	Phone:		
	Wabaita	lather thousand to a sec	
> Personal	website:	nttp://www.~.com	
$ \smallsetminus $ Student Hub	References:	http://www.*.com	
Student Hub		Visit Site	
> Reference		View Files	
> Student Hub: Tables		Send Email	
Warkbacka			
/ WUIKDOOKS			
+ 6 6 -		<u> </u>	

Tapping the OK button will save new entries while pressing the Cancel button will cause records, if not already saved, to be erased.

Information can also be easily viewed while in list view by selecting the bottom-middle button and selecting the category of choice. This method may prove especially useful for the Present? tool, allowing teachers to quickly check boxes to log student presence.



### <u>Notes</u>

Additional Databases Required:

- Assignment Types
- Attendance
- Course Info
- Discipline
- Grades
- Notes
- Tardiness

Target Audience: Administrators, Teachers, Students

# **Transportation Request**

This database serves as a template for a building/district transportation request form for teachers and staff.

Carrier 중	3:03 PM	100% 🚍
Cancel	Transportation Request	ОК
Teacher Name:		
Luke Skywalker		
7/18/13		
🖌 All Day?		
No Time	No Time	
Multiple Days?		
Not Applicable		
Building:	Department:	
Jedi Temple	Mind Tricks	
Number of Attendees:		
1		
Reason:		
Conference about roua		
Location:		
Planet 23		
NEEDS	Signature:	
Substitute?	L to-	
Reimbursement?		
Absence Request?	Zinnkol	
Email as Text		
Email/Print as Form		
<u> </u>		
		ىكر

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Upon opening the database, tapping the button in the lower left corner will open a blank for ready for filling out by the teacher or staff member. Tapping text entry fields will cause the onscreen keyboard to appear for easy input. Upon completing the form, it can easily be emailed, printed or exported as a PDF file using the button controls at the bottom.

er	হ 3:03 PM			
icel	Transportation Request.PDF	Se		
c/Bcc:				
bject: Transportation Request	.PDF			
Teacher Name				
Luke Skywalker				
7/18/13				
All Day?				
No Time	No Time			
Multiple Days?				
Not Applicable				
Building:	Department:			
Jedi Temple	Mind Tricks			
Number of Attendees:				
1				
Reason:				
Conference about Yoda				
Location:				
Planet 23				
NEEDS	Signature:			
Substitute?	L F			
Reimbursement?				
Absence Request?	LOC			
Email as Text				

When finished, tapping the OK button in the upper right corner will cause the record to save while tapping the Cancel button will cause it to be erased.

Generating transportation requests via this database is especially beneficial, not only because it aides in the process of moving towards a paperless environment, but it allows for staff and teachers to easily track their transportation needs over time.

#### <u>Notes</u>

Additional Databases Required: None Target Audience: Administrators, Teachers, Staff

# **Vocabulary Builder**

Without understanding the vocabulary of a discipline, it is hard for a student to effectively learn the content he or she is expected to master.

Using Vocabulary Builder, students can amass a collection of vocabulary words that include information about the words' parts of speech, pronunciation, definition and sample usage.



Words can be easily filtered - by selecting the view button at the bottom-middle of the list of words - to show words associated with a particular class, those of a certain part of speech or ones that are in need of mastery.

Adding new words to the Vocabulary Builder is as simple as opening the database and tapping the button in the lower left corner. Fields can easily be completed using the onscreen keyboard, while part of speech can be selected from a popup button. The relevant course can be selected from the Course Info database and words can even be marked as a "favorite" with the check of a box. This allows students to generate a custom study / review list can be viewed as one of the filtered categories.

Carrier ô	3:05 PM		100% 🚍
Databases	Cancel	My Glossary	ок
> Agenda			
> Curriculum	Word	Think	
$\vee$ Evaluation	Pronunciation	/THINGk/	
Classroom Walkthru			
✓ Forms	Part of Speech	Verb	
Absence Request	Definition	Have a particular opinion helief or idea	
Transportation Req.		about someone or something.	
> Grades K-2			
> Information			
> Lookup Tables	Usage Example	"I think I would prefer pizza for dinner."	
> Personal			
✓ Student Hub			
Student Hub	Course	Press to Select	
> Reference	Favorite?	(Yes/No)	-
> Student Hub: Tables			
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Tapping the OK button in the upper right will save records while tapping the Cancel button will erase the entry if not already saved.

Over years and years of schooling, students will be capable of building a complex personal dictionary, making it easy to have vocabulary from an entire school career in the palm of a hand.

### <u>Notes</u>

Additional Databases Required: - Course Info Target Audience: Students