

RAW-Artifacts 2015

Summertime Issue #1



Custom Android PC right off the shelf
Wednesday, July 1, 2015

Four Android PC's on an Artistic NerdLand Budget.

Flying a HexaCopter from an Android device.

Apps: Should you use one or write your own?

No knowledge of programming is required but could help.

www.RAW-Artifacts.com



All Art Screams Out
of an Empty Black
Canvas.

ANDROID



@ijooH

— Android Timeline —

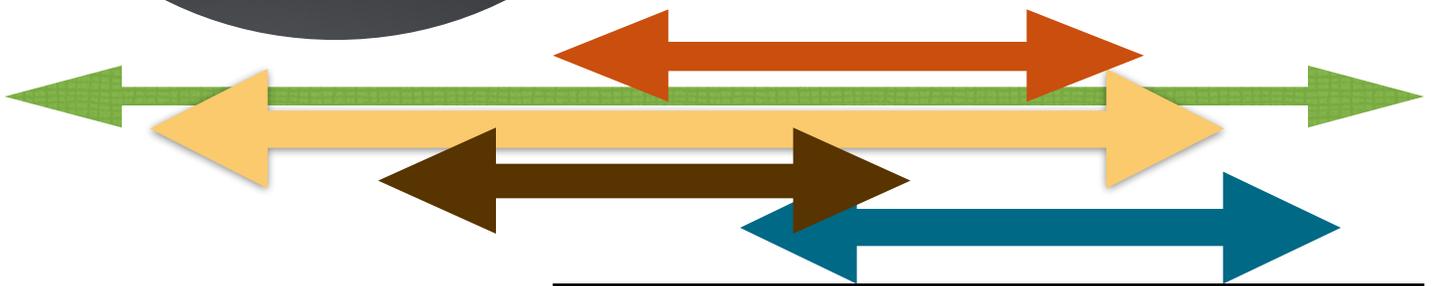
I first entered into the Android World with my first China copy Touch Screen around the Froyo Android timeline approximately 2010 and leaving for a short time, skipping the Ice Cream Sandwich age, and Jelly Bean period. Now I have returned with Four DeerBrook DB+ 7” Quad Core Android 4.4 KitKat 32GB MicroSD Tablets. It just happens that DeerBrook had two white and two blue Android PCs just in my style and liking. Pre-Loaded with Google Play Store, Chrome, Gmail, Full Support for Skype, YouTube, Twitter, Facebook and more. The two blue tablets I have set up for Multi Media Play and Pre-Production skills. The two white tablets set up for more specific individual operations, documenting Drone Flight and practice, while the other I was leaning more to setting up for my own Individual Personal Android Assistant (IPAA), someone to write memos and check schedules and make dinner and vacation plans ...

A Little Summer Science Project Check List:

- * Integrated development environment. I will be using a refurbished iMac and Android Studio together, with Google Play and with an Amazon Account. No knowledge of programing Apps is required.
- * Pre-knowledge in: Installing eclipse, android sdk, and android studio, Java, javaScript, html, MIDI.
- * Four DeerBrook 7” Android PC’s for penny pinching nerds and more techno accessories.
- * Flying a HexaCopter using my Android PC and game hand controllers and off-the-shelf technology.
- * Apps: Should you use pre-made Apps or write your own?



Being able to fix your own technology is necessary in this time of day, when using minimalistic ideas can take root in new ways ...



Mixing Media and Ideas
Replicating Fragments of
Time
Thoughts
Lights
Sounds
Emotions
Expression!





Building together your own Android to help meet your needs is FUN! You don't have to know how to program; you can build your own droid by downloading someone else's designed App, putting together your own mosaic modeled personal assistant. But if you have more time on your hands, building your own Individual Personal Android Assistant (IPAA) can be more challenging. The more you learn, the deeper into building your first App you will be. You see patterns that replicate. Instead of writing that code over and over again, you build on past programs or write your own, in new ways of thinking. Combining two or more tasks together, suddenly you are in the midst of writing an Android string of data resolving the musical bridge in your latest digital masterpiece. Each Personal Android is unique, as unique as the ways each individual uses their Android. And this is just that, a look into my world of Android ...





Product Description

The QR Y100 is Walkera's newest FPV mini hexacopter is becoming very popular for good reason. This mini hexacopter has an on-board camera capable of sending back a live HD video feed via 2.4GHz Wi-Fi to your IOS or Android device. It can even be flown from your mobile device meaning that you can fly it without a transmitter if you'd like. For those of you that prefer to fly with the traditional R/C transmitter, you can do so and still watch the live video feed via Wi-Fi on your phone or Tablet! This FPV hexacopter features a super cool molded plastic body which gives it a very futuristic and stylish look. The body is thin keeping it lightweight, yet is strong making the model very durable. The large propellers make the model very efficient and powerful. Flight times of well over 15 minutes can be achieved with a single battery pack. The flight control system of the QR Y100 utilizes a high precision 6-axis gyro offering extremely stable flight characteristics. This makes it easy for beginners and makes for very precise control that experienced users will enjoy also. Great for FPV flying as the model is very stable. The QR Y100 boasts some of Walkera's most advanced features such as "one key take-off", "one key land", "one key go home" and "follow me" mode, all of which can be controlled easily from your Android/IOS device! Additionally, it features a high precision altitude sensor allowing you to simply take your hands off of the controls and watch the QR Y100 maintain its own altitude. This version of the QR Y100 comes as "Bind and Fly" including a 1600mAh LiPoly battery and a dual port USB battery charger. You will simply need to add your own Walkera Devo series transmitter and/or IOS/Android device to fly.



— Android Flight School —



Support horizontal or vertical smartphones and tablet pc
Up to 5-10 inch length



Bluetooth

Made for
iPod iPhone iPad

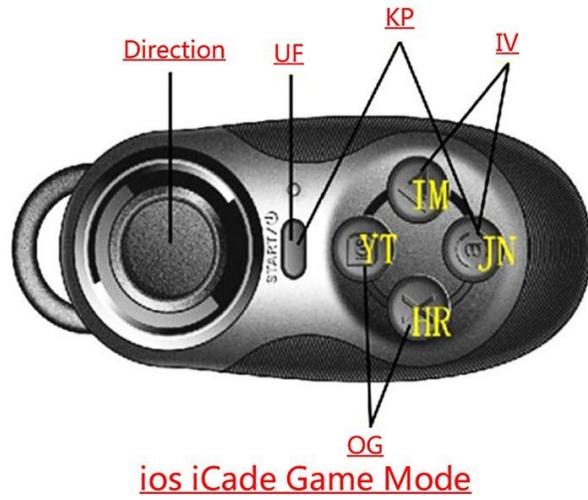
CE

RoHS

Android

iOS 7 beta for Developers





Android button schematic diagram





CAR + WALL 6 FT



The Android Experiments

The Scientific Method:

1. Purpose / Question - Android App Technology
2. Research - Books, Internet, Teachers, Self Experimenting
3. Hypothesis - Integrate Technology into RAW-Artifacts
4. Experiment - Four 7" Android 4.4 KitKat Tablets (two blue tablets programmed for Multi Media Pre-production skills and two white tablet droids configured for more specific individual operations, documenting drone flight and practice, while the other I was leaning more toward creating an Individual Personal Android Assistant (IPAA), someone to write memos and check schedules and make dinner and vacation plans ...
5. Analysis - Data from experience and research
6. Conclusion - Winter Issue 2015

Scientific Method Steps

The exact number of steps to the scientific method depends on how you break up the steps, but here is an overview of the basics:

- 1 Make observations.
- 2 Propose a hypothesis.
- 3 Design and perform an experiment to test the hypothesis.
- 4 Analyze your data to determine whether to accept or reject the hypothesis.
- 5 If necessary, propose and test a new hypothesis.

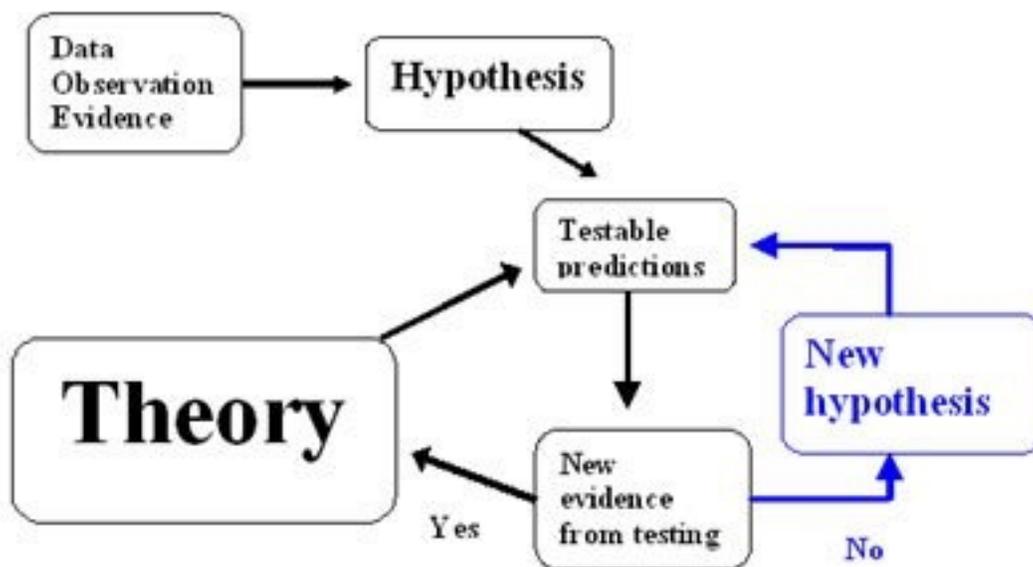
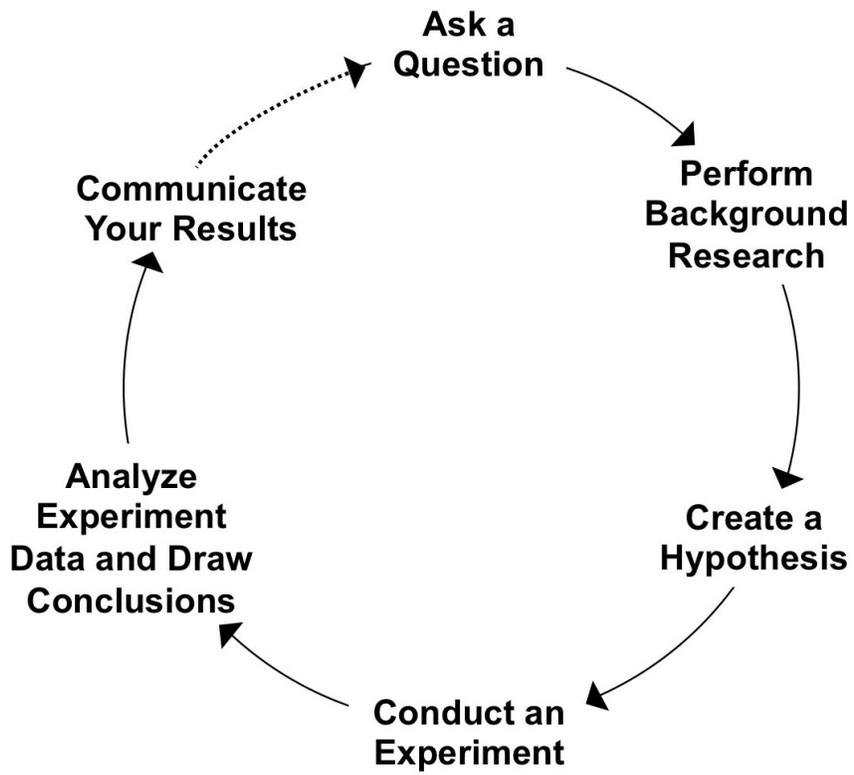
If you are having trouble designing an experiment or even getting an idea for a project, start with the first step of the scientific method: make observations.

Scientific Method Step 1: Make Observations

A lot of people think that the scientific method starts with forming a hypothesis. The reason for this misconception may be because many observations are made informally. After all, when you are looking for a project idea, you think through all of the things you have experienced (observations you have made) and try to find one that would be suitable for an experiment.

<http://chemistry.about.com/od/lecturenotes3/a/sciencemethod.htm>

I have started out with a good scientific foundation of four identical Android PC's other than color shells all have been upgraded with 32GB memory micro card, and All have been loaded with basic routinely used Apps. for documenting and running my experiments. These experiments will follow the scientific methods listed above.



Describe the problem or ask a question

State the hypothesis



Design the experiment

Describe the control group

Describe the experimental group

Dependent Variables

Independent Variables

Collect Data

Conclusions

Scientist's Name _____ Date _____



Lab Report



Experiment

Materials

Questions to Answer

Hypothesis (What do you think will happen?)

Name: _____

Lab Report

Question:

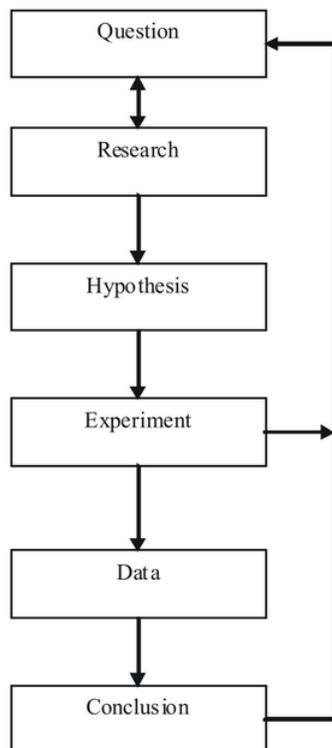
Background Research:

Hypothesis:

Materials:

Procedure:

Results and Conclusion:



Experiment:

Purpose: *I wonder...*

Materials:

Hypothesis: *I think...*

Procedure:

Results:

Conclusion: *I learned that...*

Experiment Log

Date: _____

Observation



Question



Hypothesis



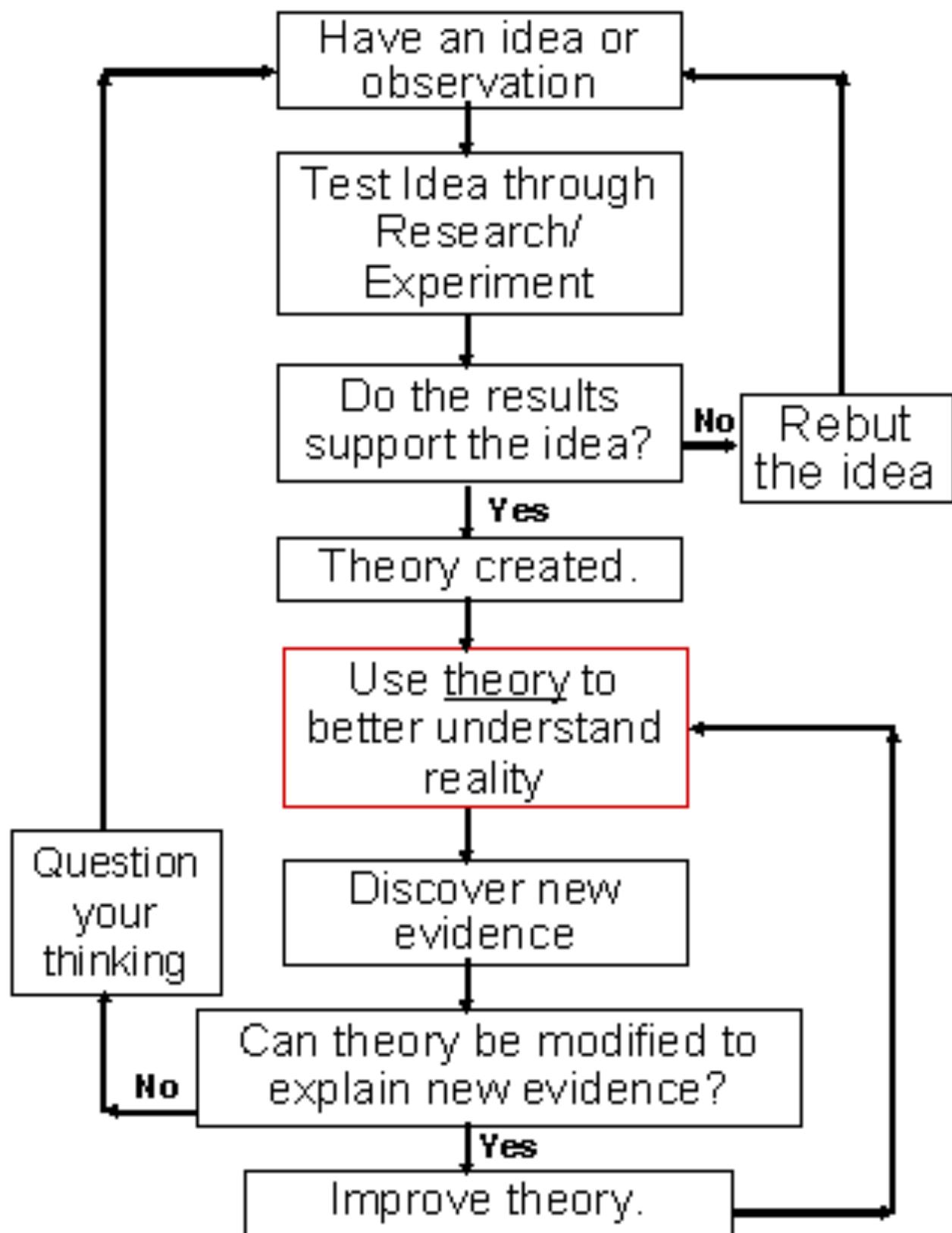
Experiment

Record Results

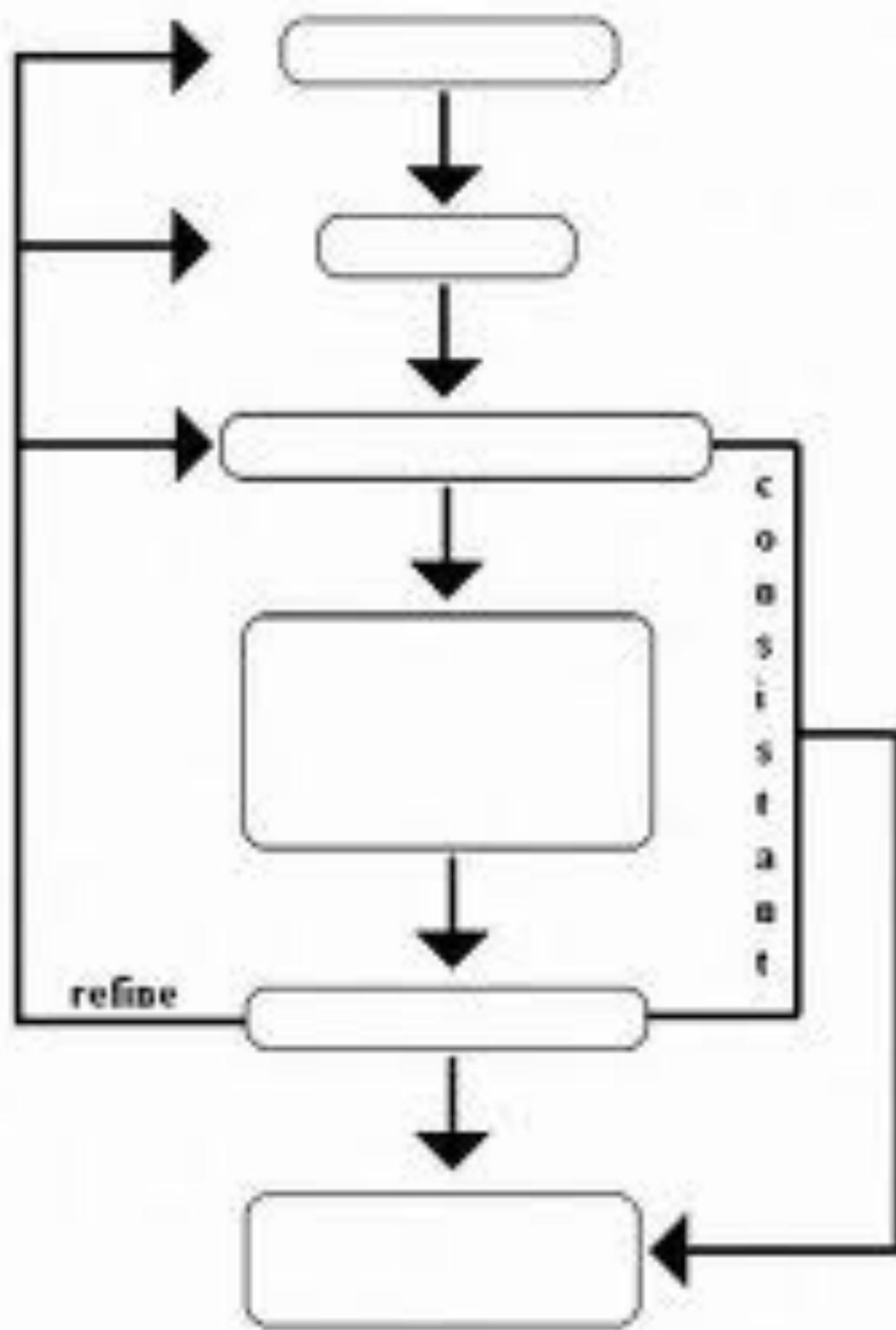


Conclusion





The Scientific Process



<http://developer.android.com/training/index.html>

<http://sharein.org/how-to-recover-deleted-files-in-android/>

<http://chemistry.about.com/od/lecturenotesl3/a/sciencemethod.htm>

<http://www.viewandroid.com>

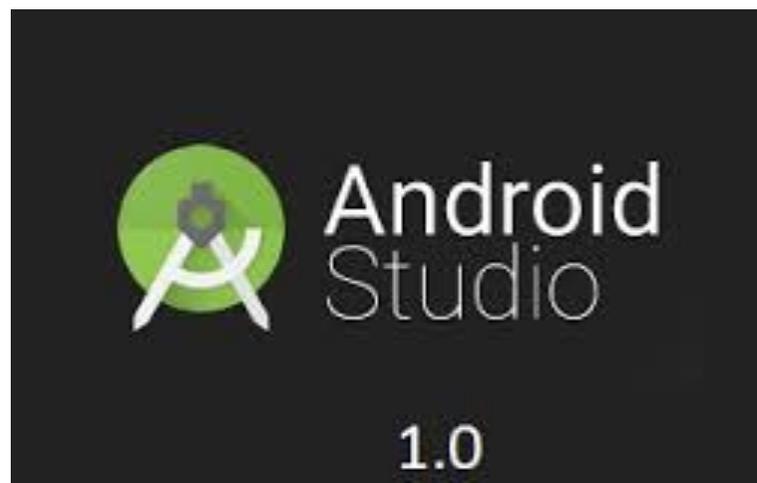
<http://thinkapps.com/blog/development/develop-for-ios-v-android-cross-platform-tools/>

<http://sciencebob.com/science-fair-ideas/the-scientific-method/>

www.deerbrookelectronics.com

<https://cdn.shopify.com/s/files/1/0543/2429/files/DBusermanual.pdf?6120191193158742342>

Hello,
Android!





Robert Andrew Whitcomb

RAW-Artifacts

351 Pleasant Street STE B106

Northampton, MA 01060

RAW-Artifacts 2015

Summertime Issue #1