

In tune with IPODs and MP3s

To complete this Interest Project, girls must complete the following:

- Do the one REQUIRED activity
- Do ONE activity of your choice from each of the THREE categories (LEARN, DO, SHARE)
- Design and do ONE activity of [YOUR OWN](#)
- Create a short [REFLECTION](#) after you've completed [all of the activities](#)

REQUIRED:

How do MP3 players work? Research and explain the music digitalization technology and storage. (Resource: www.howstuffworks.com/mp3-player.htm)

LEARN:

1. Download two different types of media (e.g. *.wav, *.mp3, *.jpg) Describe the differences between the different types of media.

Suggested sites for downloading:

- www.emusic.com
- www.musicmatch.com
- www.apple.com/itunes (for use with itunes software)

2. How do online music sites protect themselves from hackers? What are the copyrights laws? What are the requirements to download? Is it possible to get a virus from downloading?

3. Music has been distributed in many different ways. Create a Music History timeline by put the following in order of when they were developed and sold:

Transistor Radios
8 tracks
LP Records
Cassettes
Walkmans
Compact Discs
Digital Video Discs
IPODs/MP3s

DO:

1. Pick two or three devices and fill in the chart below. Device suggestion:

- [Apple iPod](#)
- [Dell DJ Ditty](#)
- [Sandisk MP3 player](#)

Comparison Chart

Feature	MP3 Manufacturer 1	MP3 Manufacturer 2	MP3 Manufacturer 3
Memory			
Media Types (e.g. *.wav, *.mp3, *.jpg,)			
Manufacturer website			
Music Download Sites			
Color Choices			
Dimensions			
Optional Features Available			
Costs			
Battery Life			
Based on the above information, rank these players 1, 2, and 3.			

2. How do you fix the following problems on a MP3 Player?

- The player does not turn on after being dropped?
- A continuous loop of the same song?
- Correct an out of sync condition between the computer and the player?
- Reconcile the master library when the computer holding the master library crashes?
- After the warranty period, what do you do if the display screen cracks?

3. How would you accessorize an MP3? Look into the accessories available and the secondary market. Learn what attachments are available for radios and alarm clocks

SHARE:

1. Create a how to guide to new MP3 users, including music download websites and require
2. What's next? Think of other uses for this technology. Draw what it would look like and list the uses? No idea is too crazy, BE CREATIVE!
3. Interview a MP3 technology expert and share the results with your troop or leader.