**WEEK 1 (TASK 1)**

**Research Document: Types of Video Games**

**1. 2D Video Games (Two-Dimensional Games)**

2D games are those which only move in two directions—left or right, up or down.  
The graphics are simple, and everything looks flat.  
  
Examples:  
- Mario  
- Contra  
- Subway Surfers (mobile 2D style)

Features:  
- Easy to play  
- Simple controls  
- Mostly cartoon or retro style  
- Side-scrolling gameplay (like in Mario)  
  
Tip:  
These games can run on almost all devices easily.

**2. 3D Video Games (Three-Dimensional Games)**

3D games look more realistic because they have depth.  
Characters and worlds look more real and detailed.  
  
Examples:  
- GTA V  
- PUBG  
- Minecraft (blocky 3D style)  
  
Features:  
- Realistic graphics  
- Freedom to explore large areas  
- More complex controls  
- Mostly need powerful PCs, consoles, or high-end mobiles  
  
Tip:  
3D games need better devices but they are much more fun to play.

**3. AR Games (Augmented Reality Games)**

AR games mix real world with virtual objects.  
You can see game characters and items inside the real world using your phone camera.  
  
Examples:  
- Pokémon GO  
- Ingress  
  
Features:  
- Connect with the real world  
- Need walking or moving in real life  
- Use camera and phone sensors  
  
Tip:  
These games need you to move physically. It’s fun and healthy too!

**4. VR Games (Virtual Reality Games)**

VR games take you fully into a different world.  
You wear a VR headset and everything you see becomes virtual.  
  
Examples:  
- Beat Saber  
- Half-Life: Alyx  
  
Features:  
- Full immersive experience (feels like you are inside the game)  
- Needs a VR headset  
- Uses hand or body motion controls  
  
Tip:  
These games are costly but give a very amazing experience.

**5. Mobile Games**

Mobile games are very common because everyone has a phone.  
These games can be small or big and are easy to download.  
  
Examples:  
- Candy Crush  
- PUBG Mobile  
- Clash of Clans  
  
Features:  
- Easy to access (just need a phone)  
- Touch screen controls  
- Available in both online and offline modes  
  
Tip:  
These are the most popular games because phones are everywhere!

**6. Console Games**

Console games are played on gaming devices like PlayStation, Xbox, or Nintendo.  
They are designed especially for gaming.  
  
Examples:  
- God of War  
- FIFA  
- Mario Kart (Nintendo)  
  
Features:  
- High-quality graphics  
- Controlled with gamepads or joysticks  
- Played on TVs or big screens  
  
Tip:  
These games are for serious gamers who love full gaming setups.

**"From this research, I learned this."**

Every game type has its own fun and excitement.  
Some people like simple 2D games, others enjoy realistic 3D games.  
AR and VR games offer adventure and a new kind of fun.  
Mobile and console games are also very popular, depending on the device you have.  
  
You can choose any type of game based on your mood and device!