SLIDE 1 SAMPLE PROJECT | by PixelPanda

What is AR?

AR stands for augmented reality. It puts digital stuff, like pictures, characters, or info, on top of the real world you see through a screen or headset.

Your camera looks at the room, the computer figures out where things are, and then it draws the digital stuff in the right spot so it looks like it's really there.

NOT A GAME EXAMPLE

Furniture apps let you place a couch in your living room to see if it fits before you buy it.

SLIDE 2 by NovaKick

What are techno sports?

Techno sports mix real sports with technology like AR. You play on a real court with a real team, but the tech adds things you couldn't do before, like throwing energy balls.

Esports

You sit down and play with a controller or keyboard. Your hands and brain do all the work.

Techno sports

You actually move! You run, dodge, jump, and throw, so it's a workout and a game at the same time.

SLIDE 3 by ByteSizeBri

What is HADO?

HADO is the world's first techno sport. Two teams face off on a court and throw AR energy balls at each other while blocking with shields.

Every player wears a headset with a battery pack and an arm motion sensor. You swing your arm to throw energy balls, and the headset shows you the energy balls flying around the real room.

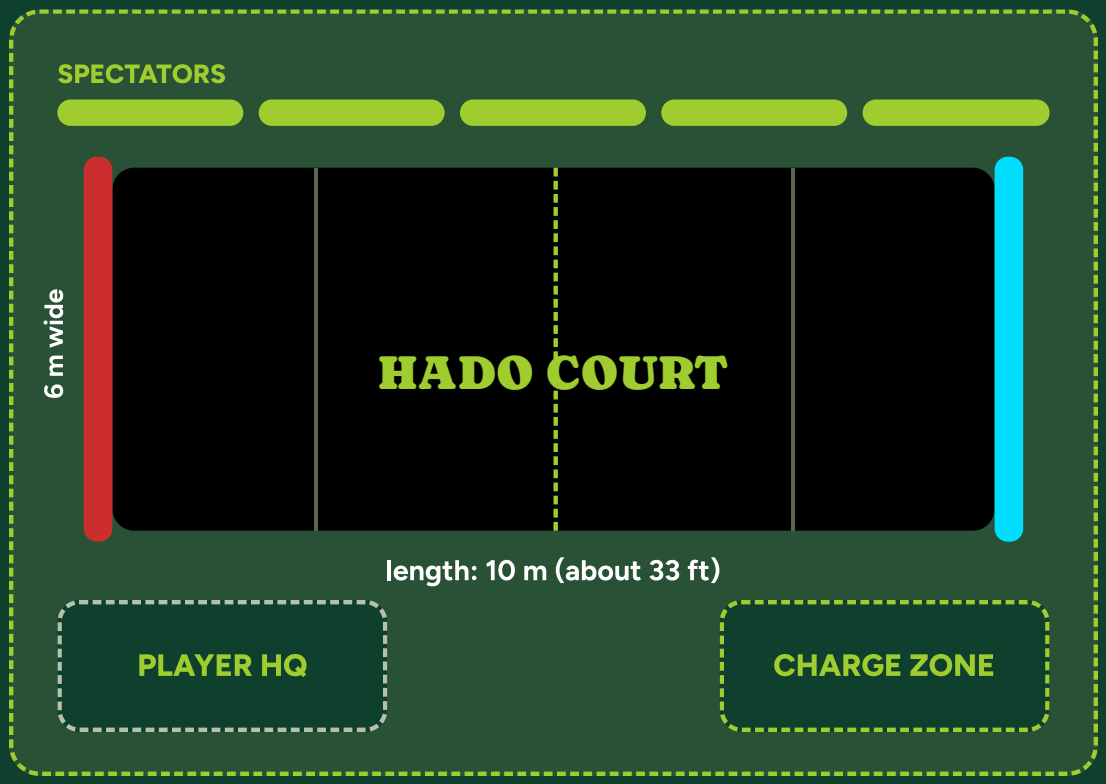
Teams rotate between Captain, Player, and Tech, so everyone gets a turn.

Swing to throw energy balls. Raise to shield.

SLIDE 4 by Zapster

Our court plan

drawn by us, not to exact scale



The court needs a floor space of at least 33 by 20 feet and a ceiling at least 8 feet high.

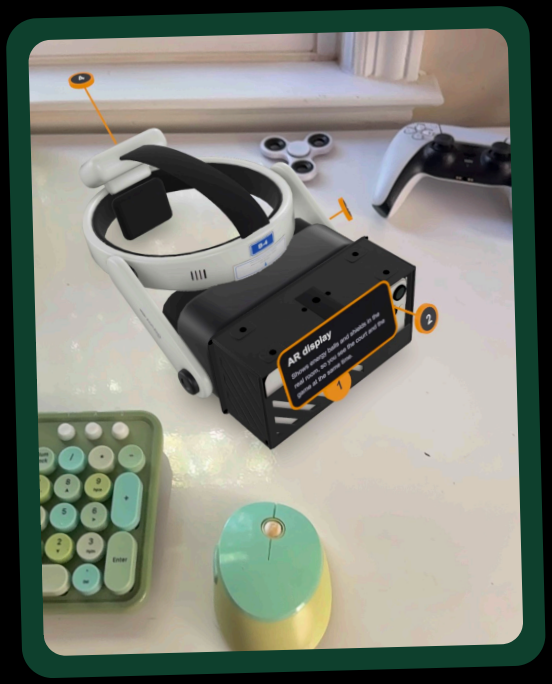
An AR Marker Wall stands at each end so the headsets know where the court is. We'll mark the side, center, and safety lines with blue masking tape.

Players wait in Player HQ, and the Techs run the laptop and charge the headsets in the Charge Zone.

Team 1 Team 2

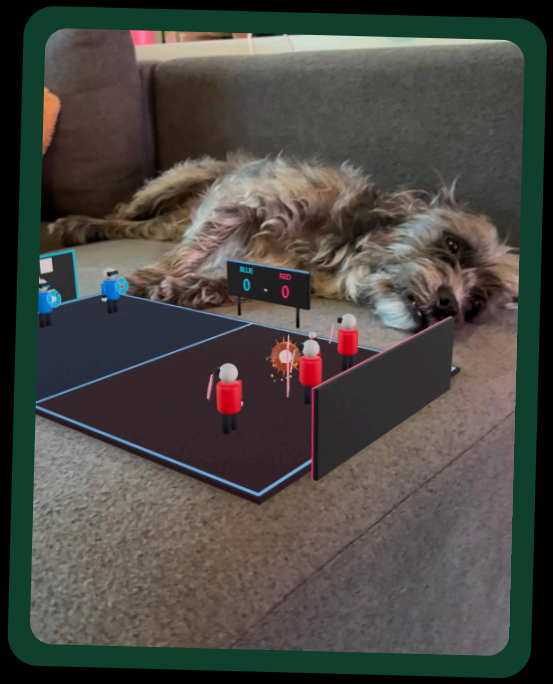
SLIDE 5 by the whole squad

We tried AR ourselves!



the 3D headset sitting on my desk

+



A HADO match next to my dog

We ran the HADO AR Demo on our phone. We looked at the gear, saw a live match, and tried the Energy Trainer! We only got to level 18 😭

We were able to test out the different energy balls and throw them at the targets while avoiding enemies. The shield was super helpful for the later levels.

HADO works the same way. The AR headset is kinda like the phone. It scans your room and adds the game items to it so it feels like they are really there with you!

SLIDE 6 by the whole squad

Why HADO belongs at Westbrook

1. It gets gamers off the couch and moving, which our PE teacher would love.
2. Kids who don't play other sports can still be Captains or Techs.
3. We already have a gym big enough for the 33 by 20 foot court.

Let's bring HADO here!

Team Mantis

Westbrook Middle School

PixelPanda NovaKick ByteSizeBri Zapster