MICROTEACHING LAB OPERATION TRAINING

INSTITUT PENDIDIKAN GURU
Kampus Pendidikan Teknik

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Definitions of Microteaching

- Allen,D.W (1966): Micro-teaching is a scaled down teaching encounter in class size and class time.

- Allen,D.W. and Eve,A.W. (1968): Micro-teaching is defined as a system of controlled practice that makes it possible to concentrate on specified teaching behavior and to practices teaching under controlled conditions.

- Bush,R.N (1968): Micro-teaching is a teacher education technique which allows teachers to apply clearly defined teaching skills to carefully prepared lessons in a planned series of 5-10 minutes encounter with a small group of real students, often with an opportunity to observe the result on video-tape.
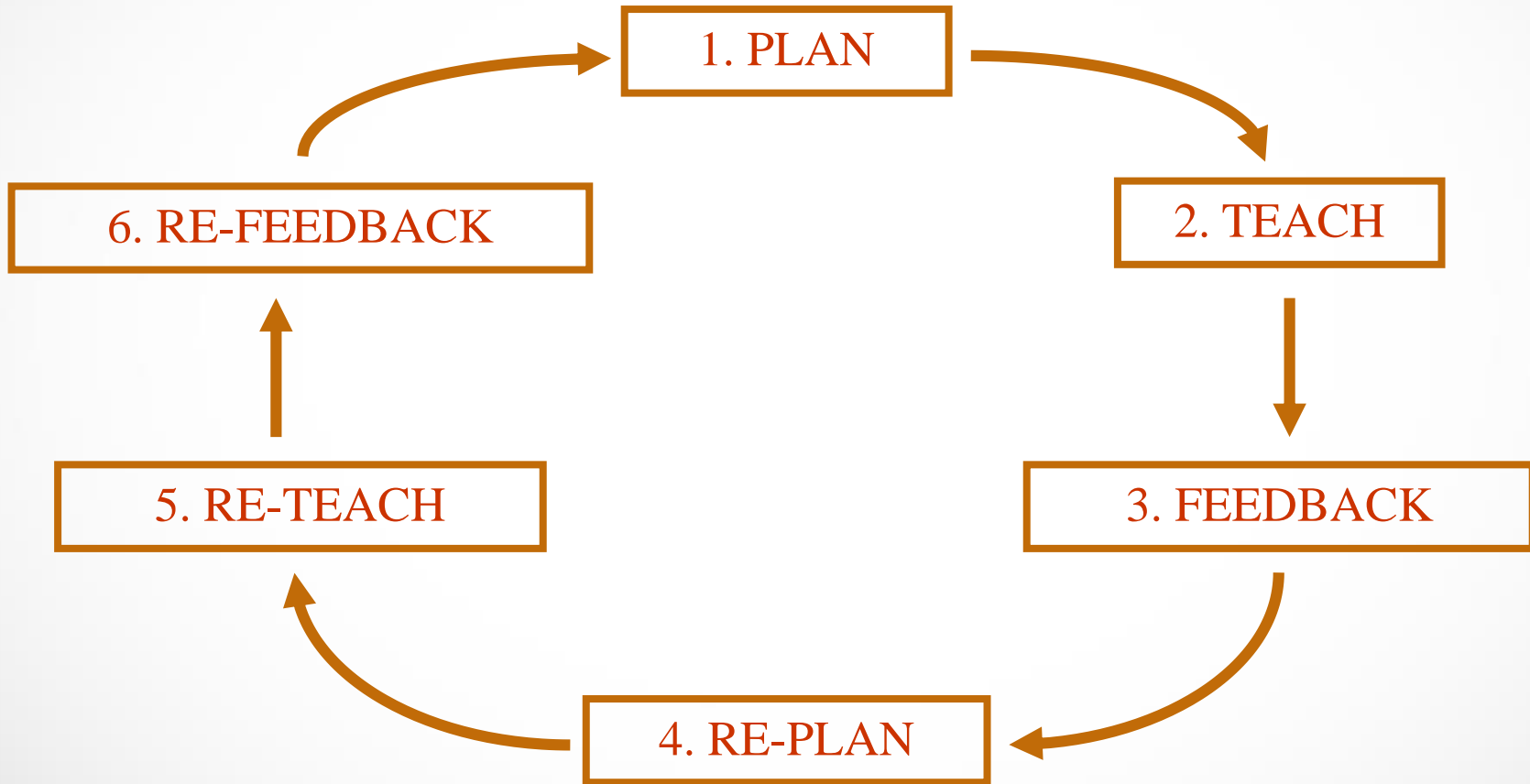
Characteristics

- "Micro" - the complexities of real classroom teaching are scaled down

  - Class size is reduced, ie- 6 to 10 students

  - Lesson duration is reduced, ie - 15 min

  - Lesson content is reduced, ie - single concept

  - Teaching skills reduced, ie - one skill at at time

Characteristics

- Highly individualized training device

- Immediate feedback

- Guidance from skilled supervisor, master teacher, etc

- Analytic approach to training

- Student teaching skill training technique, NOT a teaching technique or method

Microteaching Process

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         ┌─────────▶│  1. PLAN     │─────────┐
         │          └──────────────┘         ▼
┌──────────────────┐              ┌──────────────┐
│ 6. RE-FEEDBACK   │              │  2. TEACH    │
└──────────────────┘              └──────────────┘
         ▲                                 │
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┌──────────────────┐              ┌──────────────┐
│  5. RE-TEACH     │              │ 3. FEEDBACK  │
└──────────────────┘              └──────────────┘
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         └──────── 4. RE-PLAN ◀────────────┘
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Key Aspects

- Real teaching but in a highly controlled environment, less pressure than real classroom situations

- Immediate feedback from peers & supervisor; review of session recording

Microteaching Lab requirements:

- Simulation of classroom

- Video & audio recording of teacher & students in session

- Playback of recorded sessions

Microteaching Lab System

- Simulation of various Classroom types

  - Conventional Classroom: Whiteboard & Marker

  - Multimedia Classroom: Computer & Projector

  - Interactive Classroom: Interactive Content, Computer, Projector & Interactive Whiteboard

Microteaching Lab System

- Video Components

  – High definition Pan, Tilt, Zoom Cameras for Teacher & Students

  – Camera controller to adjust angles & zoom

  – Video Mixer to smoothly switch views between cameras

Microteaching Lab System

- Audio
  - Hypercardioid Condenser Microphones for Teacher & Students
  - Audio Mixer to match volume levels
  - Classroom Monitor Speaker for Instructor feedback / guidance
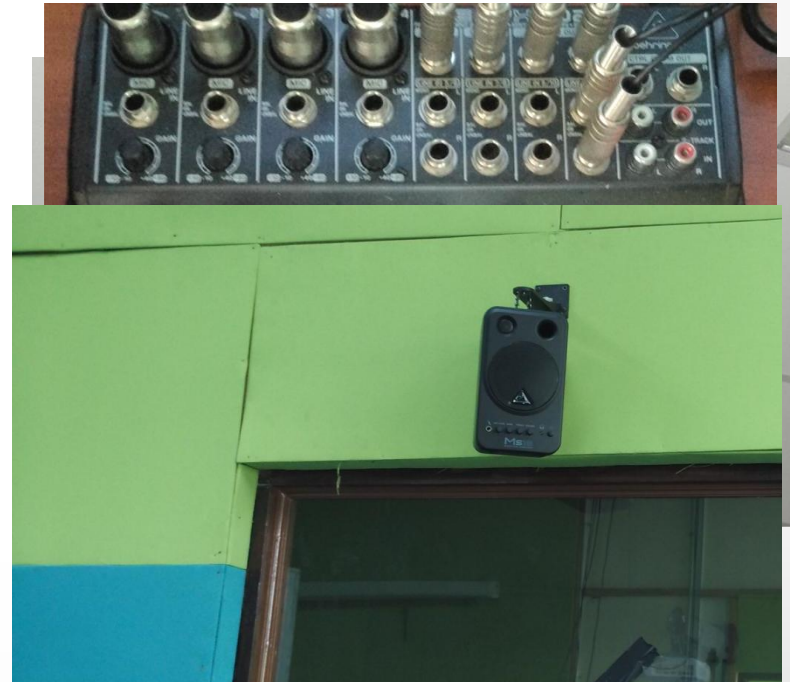
Microteaching Lab System

- ## Digital Recorder

  - Recording Video & Audio to Harddisk

 - Playback to Large TV & Classroom Projector

Using the Microteaching Lab

- Switching ON

  - Switch ON the main power

  - Short press on the Digital Recorder power button

*DON'T TOUCH THE CAMERA CONTROLLER UNTIL THE CAMERA IMAGES COME ON-SCREEN!!*

Control Room Monitor

- ## Program Window
  - This is the output of the mixer, for recording. It can also be viewed on the Large Screen TV
- ## Preview Window
  - This allows you to adjust camera angles & zoom before sending to the Program Window
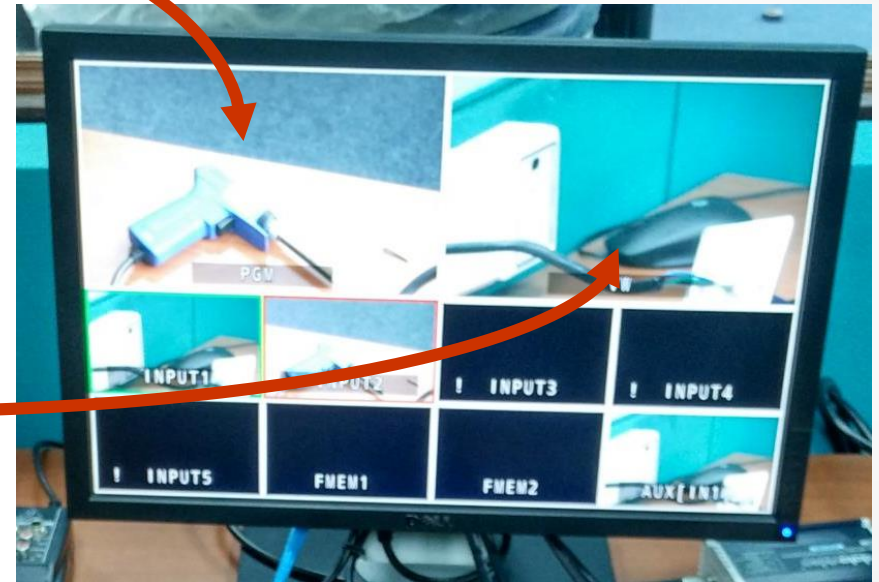
Control Room Monitor

- Input 1
  - This is the Teacher Camera

- Input 2
  - This is the Student Camera
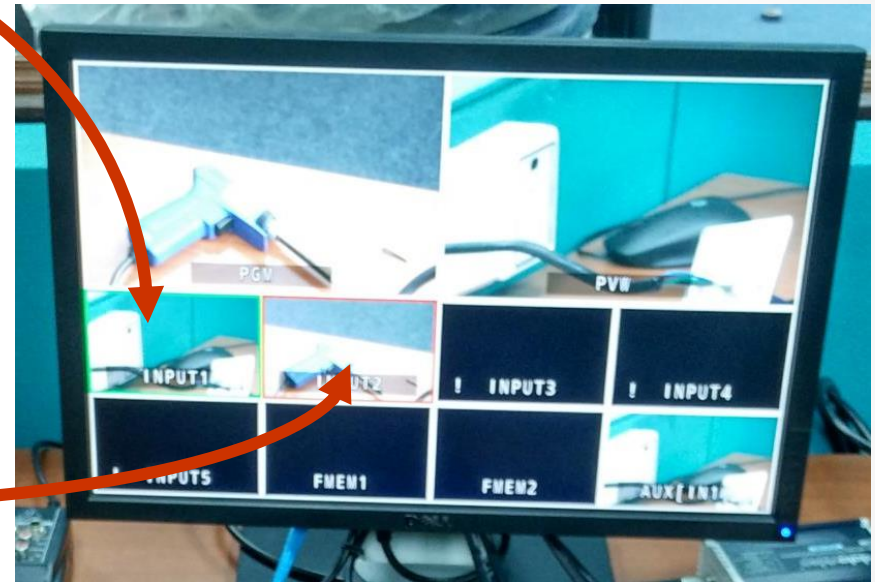
Camera Angles & Zoom

- Select the Camera you want to control

- Use the joystick to control Pan & Tilt

- Use the "TELE" / "WIDE" toggle switch to control the Zoom

Video Mixing

- Adjust the angle & zoom for the camera being previewed

- Push the slider UP / DOWN

- Or.. just press the AUTO button

Audio Mixer

- NO adjustment necessary for Monitoring & Recording

  - ALL Teacher, Student & Talkback mics are set for clarity & comfortable listening levels

  - Recording output is set at optimum level (0dB)

  - Control Room Monitor & Classroom Speaker are both set for clarity & comfortable listening levels
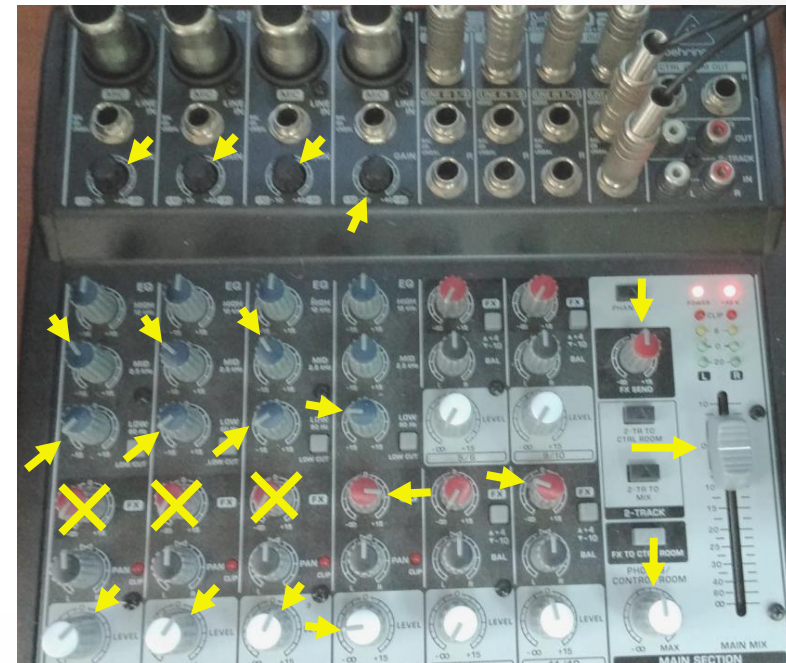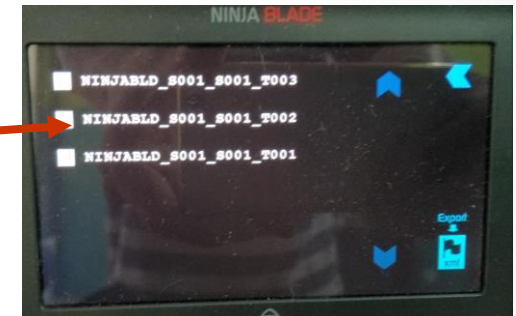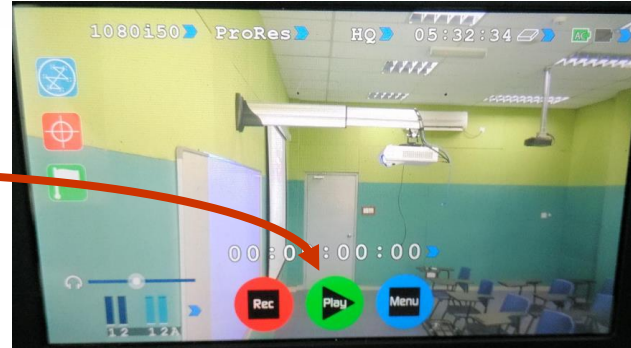
Recording

- The digital Recorder has its own touch screen monitor showing the Program view

- Just press the REC button to start recording

- Press STOP to end recording

REMEMBER TO SWITCH OFF THE TALKBACK MIC BEFORE RECORDING STARTS!!

Playback

- Press the PLAY button to go to the playback list

- Select a file & playback begins

- Press STOP to end playback

Playback

- Audio Mixer

    – Adjust the Playback volume to a suitable level

    – If the Playback volume in the Classroom is too high or too low, adjust the FX level accordingly in small increments or decrements