

# MARIJUANA FOR TRAFFIC OFFICERS

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# OVERALL GOAL

- Increase awareness of the ever-changing Marijuana culture as it relates to impaired driving

# COURSE OBJECTIVES

- Identify the different forms of THC being used both medicinally and recreationally
- Identify some of the common drug paraphernalia associated with Marijuana/Cannabis consumption
- Identify the associated signs and symptoms associated with Cannabis **impairment**
- Identify indicators of **impairment** associated with Cannabis use
- DOCUMENTATION

# TRADITIONAL MARIJUANA



# BUTANE HONEY OIL

- Budder
- Oil dabs
- Wax
- Shatter



# VAPE PENS



# SMOKING DEVICES





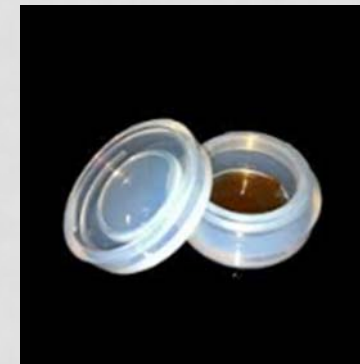


# MODERN PARAPHERNALIA

- Torches
- Extractor Tubes



# PLASTIC/METAL CONTAINERS



# COMMON PACKAGING





# THC EDIBLES



# SIGNS AND SYMPTOMS

# PHARMACOLOGICAL EFFECTS

- Relaxation
- Euphoria Relaxed Inhibitions
- Disorientation
- Sedation
- **Altered time and distance perception**

# POSSIBLE EFFECTS OF CANNABIS

- Interferes with divided attention
- Brief attention span
- Loss of Depth of perception



# CHARACTERISTIC INDICATORS OF SMOKED MARIJUANA

- Odor of Marijuana
- Marijuana debris in mouth
- Possible green coating on the tongue
- Cotton Mouth
- Reddening of the conjunctivae
- Body Tremors
- Eyelid tremors
- Dilated pupils (may be normal)
- Elevated pulse/blood pressure

# CHARACTERISTIC INDICATORS OF VAPED THC OR BHO AND EDIBLES

- Reddening of the conjunctivae
- Body tremors
- Eyelid tremors
- Dilated pupils (may be normal)
- Elevated pulse/blood pressure

# ONSET AND DURATION OF MARIJUANA'S EFFECTS

## Smoked/Vaped

- 8-9 seconds – User begins to feel and exhibit effects
- 10-30 minutes – Peak effects are reached
- 2-3 hours – User continues to feel and exhibit effects
- 3-6 hours – User feels "normal"

## Consumed Orally

- 20-30 min- User begins to feel and exhibit effects
- 1-3 hours – Peak effects
- 6 +/- hours – effects are still felt

# EVALUATION OF SUBJECTS UNDER THE INFLUENCE OF CANNABIS

- HGN – None
- VGN – None
- Lack of Convergence – Present
- Impaired performance will be evident on Modified Romberg Balance, Walk and Turn, One Leg Stand and Finger to Nose
- Finger Count, Alphabet, Count Backwards

# REPORT WRITING

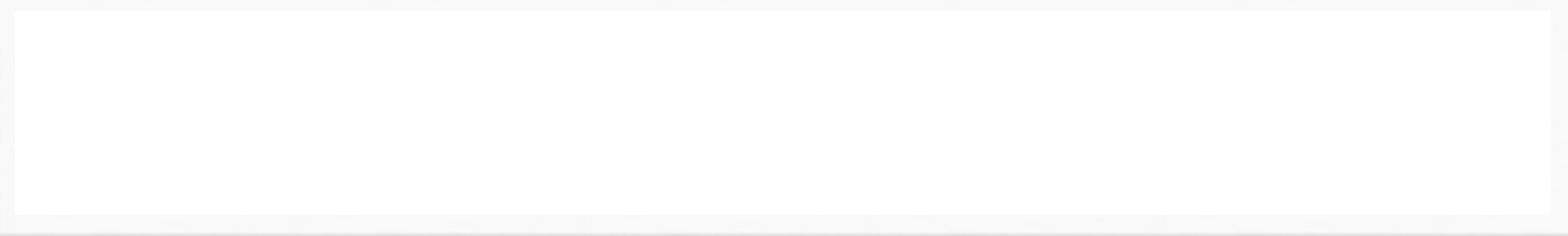
- Remember to account for the small things...
  - Fumbling
  - Stuttering
  - Delayed responses
  - Inconsistent responses
  - How they performed FST's (fast, slow, etc)

# IMPAIRED DRIVING TRAINING

- SFST Refresher
  - 4 or 8 hour
- ARIDE
  - 16 hours
- Drug Evaluation and Classification Program (DRE)
  - 72 + hours
  - Comprehensive knowledge exam
  - Certification site
  - Must be a DRE Instructor to teach ARIDE

# CANNABIDIOL

- Cannabidiol—CBD—is a cannabis compound that has significant health benefits, but does not make medical marijuana patients feel “stoned,” and can actually counteract the intoxicating effects of THC.
- Relief from inflammation, pain, anxiety, psychosis, seizures, spasms, and other conditions without disconcerting feelings of being “high.”



Extensive scientific research (much of it sponsored by the US government) and limited clinical studies underscore CBD's potential as a treatment for a wide range of conditions, including arthritis, diabetes, alcoholism, MS, chronic pain, schizophrenia, PTSD, depression, antibiotic-resistant infections, epilepsy, and other neurological disorders. CBD cannabis has demonstrable neuroprotective effects, and the anti-cancer properties of CBD are being investigated at several academic research centers in the United States and elsewhere