

PAVE: Abbreviation for Pilot, Aircraft, Environment and Operation. The pilot should assess the risks associated with each aspect of the flight and make an informed decision regarding the safe conduct of the flight.

### Ground Instruction

#### Understanding VORs.

- Three types of VORs.
- Range and accuracy
- Use of VOR Airways for route planning
- Use of VOR radials for check point verification
- Positional awareness using a VOR
- Tune in and identify a VOR
- Use of VORs to contact FSS
- Dimensions of a VOR airway

#### VOR Navigation:

Use the 7 Step process outlined in the Instrument Flying Handbook to intercept and track a VOR

Use the GPS guide to provide navigational guidance to a point.

## Flight Profile

**Syllabus:** PP 14

**Flight Lesson:**

**Student:**

**Objectives:** Introduce and utilize VOR and GPS Navigation

**Homework:** Review the Airplane Flying Handbook for how to intercept and track a VOR. Review web site information pertaining to use of the appropriate GPS

### Flight Plan

#### ACTION

#### START TIME

##### Preflight:

- Preflight the Aircraft
- Obtain Weather
- Conduct risk assessment for the flight (PAVE)

##### Flight:

- Short field take off
- Proceed to the training area
  - Power off stalls (review, do one with turns)
  - Power on stalls (review, do one with turns)
- Instrument Reference Maneuvers
  - Unusual attitude recovery
  - Instrument flying
  - Intercept and track a VOR
  - Use of GPS
    - Access moving map
    - Changing scale
    - Using the Direct To function
- Take-offs and Landings
  - Short field take off and landing
  - Soft field take off and landing
  - Emergency Landing

##### Post Flight

- Parking and servicing airplane
- Securing Aircraft
- Oral portions and Lesson Review.

**Aircraft Performance Review**

Vx: \_\_\_\_\_ Vy: \_\_\_\_\_ Vso: \_\_\_\_\_ Best Glide: \_\_\_\_\_

**Performance**

Pressure Alt: \_\_\_\_\_ Temperature: \_\_\_\_\_ Density Altitude: \_\_\_\_\_

Takeoff Parameters and Distance: \_\_\_\_\_

Landing Parameters and Distance: \_\_\_\_\_

**Weather:** 1 800-992-7433

Briefing Elements

- |                              |                    |
|------------------------------|--------------------|
| 1. Pilot Rating (w/ VFR/IFR) | 5. Route of Flight |
| 2. A/C Tail Number:          | 6. Destination:    |
| 3. Departure Airport:        | 7. Altitude:       |
| 4. ETD and ETE:              | 8. Type of Brief:  |

**Standard Brief from FSS:**

Adverse Conditions:

VFR Recommendation:

Synopsis:

Current Conditions:

Forecast Conditions:

Winds Aloft	LOC	30	60
-------------	-----	----	----

NOTAMS: