

# The FRAME Routine

Key Topic

Weather & Water Cycle

Extend: How does each part of the water cycle contribute to the weather?

is about...

The processes of the water cycle that can affect the weather.

Main idea

Enter Atmosphere

Main idea

Stay In Atmosphere

Main idea

Leave Atmosphere

Essential details

Evaporation

Essential details

Condensation

Essential details

Precipitation

Transpiration

Humidity

Freezing Precipitation

Respiration

Relative Humidity

Liquid Precipitation

Sublimation

Dew Point

Deposition

**So What? (What's important to understand about this?)**

The method and amount of water entering, leaving and remaining in the atmosphere plays an important role in determining the weather.

# The FRAME Routine

Key Topic

is about...

Main idea

Main idea

Main idea

**Essential details**

**Essential details**

**Essential details**

**So What? (What's important to understand about this?)**

# The FRAME Routine

## Key Topic AirMasses

Extend: Rank the airmasses (1-4) as to  
Which airmasses you would find here in  
Florida (1 – most common / 4 least common)  
is about...

The 4 different types of airmasses, where they form and general characteristics.

### Main idea

Continental – Tropical

### Main idea

Maritime - Tropical

### Main idea Maritime Polar

### Main idea

Continental Polar

### Essential details

Formed over the  
World's deserts

### Essential details

Form over tropical  
& subtropical  
oceans

### Essential details

Forms over  
Polar oceans

### Essential details

Form Over  
Subpolar Land

Hot

Very Warm

Cold

Cold

Extremely low  
humidity

Humid

Moist

Low Humidity

Can cause heat waves which  
Are often responsible for  
Human and animal deaths.

Rainy Conditions as  
The air mass cools

Mild Weather @  
Coast – depending  
On the time of year

Stable

### So What? (What's important to understand about this?)

The type of air mass can impact our weather depending on the temperature and Humidity (moisture) that it carries. High humidity can cause rain whereas low humidity would be clear

# The FRAME Routine

Key Topic  
Fronts

is about...  
How the interactions of air masses result in changes of the weather.

Main idea  
**Cold Front**

Main idea  
**Warm Front**

Main idea  
**Occluded Front**

Main idea  
**Stationary Front**

Essential details  
Slow cold air  
Approaches warm  
Fast air.

Essential details  
Fast warm air  
Approaches slow  
Cold

Essential details

Essential details

Abrupt &  
Hazardous Weather

As weather cools  
– clear skies

**So What? (What's important to understand about this?)**

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# The FRAME Routine

Key Topic

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is about...

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Main idea

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Main idea

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Main idea

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**Essential details**

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**Essential details**

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**Essential details**

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**So What? (What's important to understand about this?)**

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# The FRAME Routine

## Key Topic Air Mass Types

is about...

The 4 types of airmasses, where they form & general characteristics.

Main idea

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Main idea

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Main idea

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**Essential details**

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**Essential details**

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**Essential details**

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**So What? (What's important to understand about this?)**

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