**WEAX 201**

**Module 3 Make it Real Discussion Topics**

Choose ONE of the topics below. ***In 500 words or less,*** develop *a structured and engaging* initial post that covers all discussion points as outlined for that topic.

1. After reading the section **Relative Humidity and Human Discomfort** in chapter 4, construct **an engaging 3-paragraph initial post** that addresses the following points:

* **Paragraph 1:**  Differentiate between what *temperature* and *dew point temperature* each describe about atmospheric humidity. Then, define *dew point depression*, and explain what that describes about atmospheric humidity. (Remember from chapter 4 that the word *humidity* is a *general* term for *some measure* of atmospheric water vapor.) (graphics will add greatly to the discussion here).
* **Paragraph 2:** Explain why the phrase, “It’s not the heat, it’s the humidity.” has validity on a day where both the air temperature and *relative* humidity are high. **Hint:** define the *heat index* and explain what it tells us about what the air “feels like”, by discussing how both a high temperature and high *relative* humidity negatively impact the body’s ability to cool itself (graphics will add greatly to the discussion here).
* **Paragraph 3:**  Relate a personal experience to the discussion in paragraphs 1 and 2.

1. Construct **an engaging 3-paragraph initial post** that discusses the effects and hazards of **clouds** OR **fog** in aviation. The paragraphs should address the following points:

* **Paragraph 1:**Describe both the characteristics and formation of **one** specific cloud type **OR** **one** specific type of fog that significantly effects or presents a hazard to aviation (graphics will add greatly to the discussion here).
* **Paragraph 2:**Summarize the specific aviation-related effects or hazards associated with your chosen cloud or fog type.
* **Paragraph 3:** You have two options for this paragraph:  1) Summarize an actual aircraft incident that illustrates the hazardous impacts of your chosen cloud or fog type, or 2) Give us “your take” on the relevance and importance of the topic from your own perspective - personal points of view or related experiences, for example.