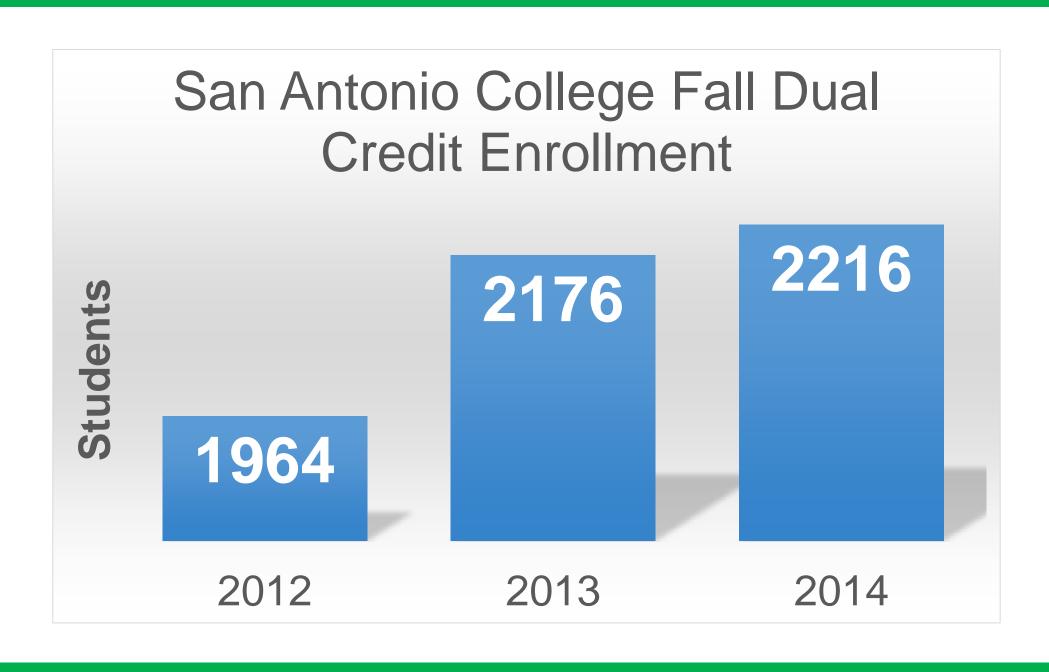


# A L A M O C O L L E G E S

# AMS CLIMATE STUDIES IMPLEMENTATION AT ALAMO COLLEGES

**Dual Credit Students** 

**Existing Resources** 



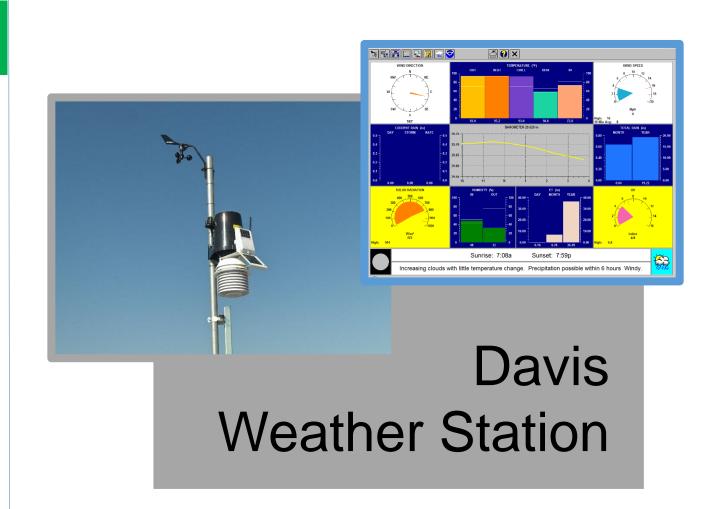
19% of all Alamo
Colleges students



### **AP Environmental Science**



"Unsolicited student demand played an important role in the initial decision to offer environmental science [AP Classes]." 1



### **Need Among Low Socio-Economic Students**

# Achievement Growth Compared to High Socio-Economic Students<sup>3</sup>

High Socio-Economic Status (100%)

| Biology             | 36%   |
|---------------------|-------|
| Physical Science    | 80%   |
| Environmental Scien | ce 6% |

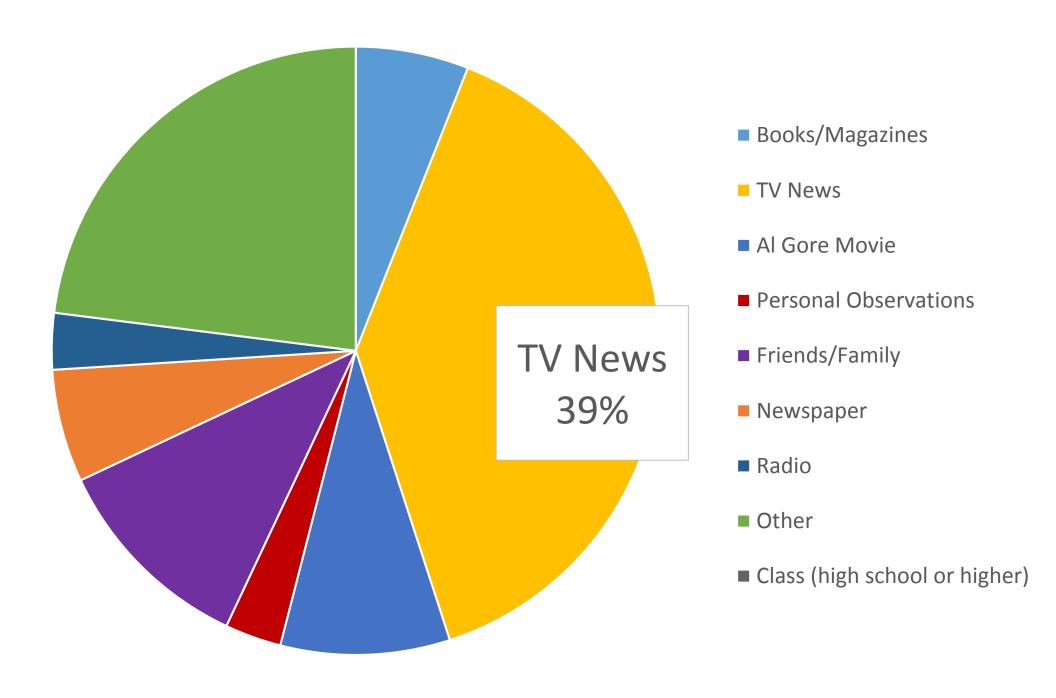
Low Socio-Economic Status (%)

## Climate Change Knowledge Sources: From Classroom to Newsroom

### 11th Grader Information Sources<sup>4</sup>

# Books/Magazines Newspaper Friends/Family TV News Al Gore Movie Other Personal Observations Internet (general) Class (high school or higher)

# Working Adult Information Sources<sup>4</sup>



<sup>&</sup>lt;sup>1</sup>Source: Edelson, Daniel C. "Environmental Science for All? Considering Environmental Science for Inclusion in the High School Core Curriculum." Science Educator, 2007.

<sup>&</sup>lt;sup>2</sup>National Research Council (2012). "Climate Change Education in Formal Settings, K-14: A Workshop Summary."

<sup>&</sup>lt;sup>3</sup>Adapted from Ma, Xin and Jesse L.M. Wlikins. "The Development of Science Achievement in Middle and High School." *Evaluation Review*, 2002.

<sup>&</sup>lt;sup>4</sup>Adapted from Dupigny-Giroux, Lesley-Ann, "Exploring the Challenges of Climate Change Science Literacy: Lessons from Students, Teachers and Lifelong Learners". Geography Compass, 2010.