9/29/14 STEM Skill- Purpose and Research

Teacher Preparations:

Update objective/EQ

PowerPoint on projector

STEM log ready

Science TE p. 231-232/ Student text on “Evaporation”

Organize student research material by question

PURPOSE

- (On slide) EQs

“What is a STEM Fair purpose?”

“Where do scientists look to find information?”

- (On slide) Purpose

Explain that I will model with our CLASS INVESTIGATION

- (On slide) Purpose, cont’d

- Model under document camera writing a purpose with the class question from my STEM log: **TODAY’S DATE “The purpose of our investigation is to find out if the amount of salt added to water affects the evaporation rate.”**

(Turn back to original slide so students see sentence frame) Students write their purpose in their STEM log

(Have their assigned group questions handy in case they aren’t in their log already)

**CLOSE LOGS, SET ASIDE-PENCILS DOWN**

RESEARCH

* (On slide) Research

Connect with what we are doing in writing

Many places we can get information (books, websites, articles, and textbook)

-Model with textbook “evaporations”, jotting notes and **citing**

*FIND INFORMATION THAT WILL LEAD THEM TO AN ANSWER*

*For example: books will not tell us how sunflowers react to strawberry milk. But maybe we might find out what helps them grow in nature.*

“This will help you with the next part of investigation: creating a hypothesis.”

STUDENT WORK TIME

-Write 1-2 questions they want to answer through their research/what would help them know more about their investigation.

-Record information in their log

-Write about what they’ve done today