INVESTIGATE THE WORLD

What is the evidence that the student uses scientific procedures and disciplines to investigate natural and/or human global phenomena?

SCI3-5.INV1.QUSTN
- I can identify a global science issue. This means that I can locate and record a science issue.
- I can formulate a question about a science issue. This means that I can create a question about an issue for which I do not know the answer.

SCI3-5.INV2.SOURC
- I can gather information to support my question. This means that I can locate at least one secondary source to support my question.
- I can analyze the information provided by the source(s). This means that I can examine and describe the important elements of ideas presented in the source(s) in detail.

SCI3-5.INV3.MODEL
- I can identify an existing theory and/or model related to my question. This means that I can locate an existing theory and/or scientific model that has some connection to my idea.

SCI3-5.INV4.XPRMT
- I can design an experiment that is related to the problem. This means that I can describe an experiment that attempts to answer my question.

RECOGNIZE PERSPECTIVES

What is the evidence that the student interprets and discusses scientific data in the context of complex global systems?

SCI3-5.PERS1.CNTXT

- I can identify a context to explain a global science issue. This means that I can locate and describe a situation affecting a local or global science issue.

SCI3-5.PERS2.DATA

- I can find data related to my research question. This means that I can locate or produce some data related to my question.
- I can draw conclusions related to my question. This means that I can describe conclusions about my question.

SCI3-5.PERS3.QUSTN

- I can form new questions based on my research results. This means that I can write at least two questions that have some connection to science issues brought up by my experiment or research.

COMMUNICATE IDEAS

What is the evidence that the student understands and discusses global implications of scientific ideas, research, or inquiry results, and offers personal reflections?

SCI3-5.COMM1.PRCDR
- I can describe experimental and/or research procedures. This means that I can describe in a simple way the process I used in my experiment or research. It also means that my description is mostly complete, but not enough that someone else would fully understand the experiment or research.

SCI3-5.COMM2.VSULS
- I can present data with visual representations. This means that I can present data in visual ways that helps me explain the issue.
- I can create a presentation that applies the conventions of scientific communication to my ideas. This means that I can present data following some standard scientific conventions.

SCI3-5.COMM3.TECH
- I can use technology and media to express and discuss scientific ideas. This means that I can use appropriate technology and media to communicate and discuss scientific ideas.

SCI3-5.COMM4.FORMT
- I can choose a communication format for a science issue. This means that I can sometimes choose a type of communication strategy. It also means that I have some understanding the science issue.

TAKE ACTION

What is the evidence that the students translates scientific inquiry or research results into actions that increase awareness and improve global conditions?

SCI3-5.ACT1.PLAN
- I can develop a basic action plan connected to experimental or research findings. This means that I can develop a simple plan that proposes an action or policy connected to a science issue.

SCI3-5.ACT2.IMPCT
- I can identify available technology for my plan. This means that I can locate what needs to be available in order to accomplish my plan.

SCI3-5.ACT3.IMPLT
- I can implement an action plan. This means that I can take action, following and revising a plan as needed, to bring about positive change.
- I can discuss my plan. This means that I can describe the actions being taken in my plan.

SCI3-5.ACT4.RFLCT
- I can reflect on how the project has affected my views on the issue. This means that I can think about, and describe in some detail, how completing the project has developed my views about the issue.

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