INTERNET ACADEMY AT TRUMAN

Course Syllabus Report

SC121O Science 2 Gray (SC121O)

DISTRICT APPROVED CURRICULA: Mystery Science

STATE COURSE CODE: MISC0007 (Elementary Curriculum)

GRADE LEVELS: 2nd Grade

CREDITS: N/A

PREREQUISITES: N/A

COURSE GRADING SCALE:

All summative assessments will be graded according to the corresponding rubric or teacher directions. Only summative assessment scores will be calculated towards a student's final grade. Each summative assessment is linked to a FWPS Priority Standard (PS).

Excelling - EX = 100%-90%

Meeting - ME = 89%-70%

Approaching - AP = 69%-60%

Beginning - BE = 59%-0%

INSTRUCTIONAL MATERIALS NEEDED: Internet access, computer, printer, printer paper and ink, modern OS/software/web browser, headphones with microphone- if not built into the computer, various materials outlined in each unit for science mysteries (experiments).

DEFAULT CERTIFICATED TEACHER: Barbara Gray

DESCRIPTION 2nd graders will engage in interactive video lessons through the Mystery Science curriculum. Topics this year will include Properties & States of Matter, Erosion & Earth's Surface, Plant Adaptations, and Animal Biodiversity. Lessons consist of grade appropriate web links, video clips, and audio clips that appeal to the young learner. In addition, students are given hands-on activities to do off the computer to support what they are learning and to meet a variety of learning styles. Learning is supplemented through the online program Legends of Learning, where students explore gamified learning and practice of standards-based science concepts aligned with the course's units. Students feel as though they are playing while in reality they are learning!

ESSENTIAL LEARNINGS: ?plan and conduct an investigation to describe and classify different kinds of materials by their observable properties.

?ask questions, make observations, and gather information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool.

?analyze data obtained from testing different materials to determine which materials have the properties that are best suited for an intended purpose.

?make observations to construct an evidence-based account of how an object made of a small set of pieces can be disassembled and made into a new object.

?develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem.

?construct an argument with evidence that some changes caused by heating or cooling can be reversed and some cannot.

?plan and conduct an investigation to determine if plants need sunlight and water to grow.

?develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem.

?analyze data from tests of two objects designed to solve the same problem to compare the strengths and weaknesses of how each performs.

?observations of plants and animals to compare the diversity of life indifferent habitats.

?develop a model to represent the shapes and kinds of land and bodies of water in an area.

?obtain information to identify where water is found on Earth and that it can be solid or liquid.

SYLLABUS

OBJECTIVES ?plan and conduct an investigation to describe and classify different kinds of materials by their observable properties.

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STANDARDS

https://www.fwps.org/cms/lib/WA01919399/Centricity/domain/796/preschool-5th%20grade/2nd-Grade-Science-Spring-2015-Final-.pdf

LEARNING REQUIREMENTS

Weekly Work Completion: Scholars will submit original work in all

classes each week.

Original Work Submissions: Scholars will only submit their original

work. If a scholar uses outside sources in the creation of their original work, citations must be present in the format requested by their teacher.

Weekly Communication: Scholars will communicate weekly with their teachers regarding their academic progress.

Functioning Technology/Required Materials: Scholars will always have constant and consistent access to the functioning hardware, software, technology, and required materials necessary to complete their coursework in all classes.

Academic Integrity: Academic integrity is essential to learning. scholars are expected to complete their own work. Copying, plagiarizing, cheating, or other methods of intentional deception are prohibited and could result in the scholar's removal from the class or iA entirely.

IA Policy1st Offense: The scholar will be contacted by the teacher via phone call, the scholar will be made aware of the plagiarism and examples of how this can be avoided will be discussed. Direct instruction on plagiarism will be delivered by the teacher. iA Administration and other teachers will be made aware of the plagiarism. The work must be redone without plagiarism.

2nd Offense: The scholar and parents will be contacted by the teacher directly and the scholar will have to complete the plagiarized assignment without plagiarism before moving on in the course. iA Administration will be made aware.

3rd Offense: The scholar will be withdrawn from the course or iA depending on the severity and/or frequency of the plagiarism.

WAC (Weekly Academic Contact): State regulations require scholars in online programs to have weekly academic contact with each teacher. This occurs by engaging with the curriculum and online

instruction, submitting assignments to make progress in learning, and successfully completing courses. Scholars have multiple opportunities and methods to achieve weekly academic contact and receive teacher assistance and feedback: email, message, live online sessions, assignments, phone, and/or face-to-face meetings by appointment when applicable and in accordance with social distancing guidelines.
In accordance with new state law the iA Weekly Academic Contact policies are changing. To ensure the success of all iA scholars, Weekly Academic Contact is required to remain enrolled at iA.
1st week missed WAC= Notification of missed WAC that informs scholars and parents of the consequences of additional missed WAC. (Step 1)
2nd consecutive or 3rd cumulative week of missed WAC= The scholar and parent must conference with a designee to discuss the missed contact, administer a “screener”, and develop a data-based interventions plan. (Step 2)
5th consecutive OR 6 cumulative of missed WAC= BECCA petition will be filed. (Step 3)

ACADEMIC GOALS

LEARNING ACTIVITIES

Interactive Mystery instructional videos lesson and hands-on experiments, interactive gamified lessons on Legends of Learning

EVALUATIONS

Monthly Progress Review: State law also requires enrolled scholars to maintain monthly forward progress toward completing classes with success. Scholars are expected to complete one monthly module of at-standard work or have

completed the teacher-prescribed plan as assigned by the certificated teacher of that course. If the assigned at-standard work is submitted, the scholar will be considered having made Satisfactory Progress. If the assigned work is not submitted and/or is not at standard, the scholar will be considered having made Unsatisfactory Progress.

An overall Monthly Progress Review (MPR) score will be prepared in the ALE App and notification that they are ready to be viewed will be emailed to every family once a month by the Advisory/Homeroom teacher to communicate overall progress towards mastery and passing of the courses.

Scholars are either making Satisfactory Progress or Unsatisfactory Progress. If a scholar is considered having made Satisfactory progress (by the individual teachers in individual courses) in 50% or more of their courses, they will be considered having made Satisfactory progress overall. If a scholar is considered having made Unsatisfactory progress (by the individual teachers in individual courses) in more than 50% of their courses they will be considered having made Unsatisfactory Progress overall. If a scholar is determined to have made Unsatisfactory Progress for consecutive months, the Advisory/Homeroom teacher will include escalating intervention plans each month in the Monthly Progress Review. If a scholar reaches 3 months of Unsatisfactory Progress they may be withdrawn by the administration.

TIMELINES

OCTOBER Complete all lessons and assignments in the October module on your "modules" page in Canvas.

NOVEMBER Complete all lessons and assignments in the November module on your "modules" page in Canvas.

DECEMBER Complete all lessons and assignments in the December module on your "modules" page in Canvas.

JANUARY Complete all lessons and assignments in the January module on your "modules" page in Canvas.

FEBRUARY Complete all lessons and assignments in the February module on your "modules" page in Canvas.

MARCH Complete all lessons and assignments in the March module on your "modules" page in Canvas.

APRIL Complete all lessons and assignments in the April module on your "modules" page in Canvas.

MAY Complete all lessons and assignments in the May module on your "modules" page in Canvas.

JUNE Complete all lessons and assignments in the June module on your "modules" page in Canvas.