Teacher: ROBINSON/HALL Date: 10/21-10/25/2024 Subject: SCIENCE Period:

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| **Alabama CCRS/COS: Standards** TSWBAT Apply Scientific ideas to design, test, and refine a device that converts energy from one form to another 4-ps3-4 |

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| **Outcome(s)STUDENTS WILL BE ABLE TO** Explore several demonstrations of different forms of energy to help them answer questions. The students will end the week by researching and reporting to the class on one type of energy. |

**ACTIVATING LEARNING STRATEGY/STRATEGIC TEACHING STRATEGIES:**

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|   |   |   |   |   |   |   |   |   |   |   |   |
|  [x]  | KWL |  |  [ ]  Word Splash |   | [x]  Anticipation Guide |  | [x]  Lecture |  | [x]  Graphic Organizer/VLT |   | [ ]  Poem, Rhymes, etc. |
|  [ ]  | Survey |   |  [ ]  Possible Sentence |   | [x]  Think-Pair-Share |  | [x]  Reading |   | [x]  Pictograph |   | [ ]  Acronyms/Word |
|  [ ]  | First Word |   |  [ ]  Concept Map |  | [x]  Vocabulary Overview |   | [x]  Model |   | [x]  Diagram |   | [ ]  Other: \_\_\_\_\_\_\_\_\_\_\_\_ |
|  [x]  |  Word Map |   |  [ ]  Frayer Model |  | [ ]  Daily Language Practice (DLP)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |   | [ ]  Hands-on |   | [ ]  Mind Map/Visual Guide |  |  |
|   |   |   |   |   |   |   |   |   |   |   |   |
| **Engagement Strategies:**[x]  - Collaborative Group Work [x]  - Writing to Learn [ ]  - Literacy Groups [ ]  Other:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ [ ]  - Questioning Techniques [x]  - Scaffolding Text [x]  -Classroom Talk [ ]  - T.W.I.R.L. |
| **Technology Integration:** [x]  Smart board [ ]  Document Camera [ ]  IPADS [ ]  Mac Books [x]  Computers [ ]  Kindles [ ]  Interactive Tablets [ ]  Digital/ Video Camera [ ]  Clickers [ ]  ACCESS [x]  Computer Program:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ [ ]  Other:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  |

**This Week’s Vocabulary:**

**black hole a region of space from which light cannot escape
electron a small particle that has a negative charge and travels around the nucleus of an atom**

**PROCEDURAL CONTENT (application)**

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| --- | --- | --- | --- | --- | --- |
|  | **Monday** | **Tuesday** | **Wednesday** | **Thursday** | **Friday** |
| ***Essential Question*** | What type of energy is created in a thunderstorm? | What type of energy is created in a thunderstorm? | What type of energy is created in a thunderstorm? | What type of energy is created in a thunderstorm? | What type of energy is created in a thunderstorm? |
| ***Daily Objective(s)******I Can Statement***  | **I can investigate types of energy.** | **I can investigate types of energy.** | **I can investigate types of energy** | **I can investigate types of energy.** | **I can investigate types of energy.** |
| *Preview* *(Before)**Warm-up- Hook* | REAL WORLD INTRODUCTIONSAY SOMETHINGVIDEOWHOLE GROUP LESSON EXPLICIT INSTRUCTION | KWL/VIDEO | SAY SOMETHINGRECAP LESSON | SAY SOMETHINGRECAP LESSON | REVIEW |
| *Instruction* *(During)*I Do-We Do-Y’all Do-You Do- | Studies Weekly Week 11VOCABULARY BUILDERQUICK WRITEINDEPENDENT PRACTICE | Studies Weekly Week 11REVIEW LESSONPOPCORN READCHUNK READINGCOLLABORATIVE GROUP WORK | Studies Weekly Week 11SHARE AND TALKJOURNAL WORKINTERACTIVE /ACTIVITY Group Research- Types of energy | Studies Weekly Week 11QUICK WRITEONE PAGER/ART TALKINDEPENDENT PRACTICEINTERACTIVE /ACTIVITY Group Research- Types of energy  | Studies weekly assessmentPresent projects |
|  Small Groups | CENTERS/GROUPS | CENTERS/GROUPS | CENTERS/GROUPS | CENTERS/GROUPS | CENTERS/GROUPS |
| *After/Homework* | GRAND CONVERSATIONarticle reviewSTUDY NOTES | GRAND CONVERSATIONArticle reviewSTUDY NOTES | GRAND CONVERSATIONArticle reviewSTUDY NOTES | GRAND CONVERSATIONArticle reviewSTUDY NOTES | GRAND CONVERSATIONArticle review |
| **Assessment (Formative):** [x] Class work [x] Notebook [ ] Homework [x] quizzes [x] Tests [ ] Computer activities [x] Collaborative work [x]  Project/ Other: |

**Assessment (Summative):** [ ] Quizze**s** [ ] T**ests** [ ] Group activities **[ ]** Project based **[ ]** Other:

**Summarizing****:** [ ]  3-2-1 [x]  Ticket out the Door [x]  The Important Thing [ ]  Cue Cards [x]  Teacher Questions [x]  Student Summary [x]  Other:SNB CHECK