 **St. Louis Public Schools**
**Standards-Based Blended Learning Lesson Planner**

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| **Weekly Instructional Planner** |
| **Name** | **P. Sutton** | **Date** | **September 12 - 16, 2022** | **Grade & Subject** | **1st** |
| **Lesson Topic** | What is energy? |
| **Lesson Objectives** | **Content Objective(s)** | **Language Objective (ESOL)** |
| **I can:*** identify sources of energy
* observe energy sources
* describe energy sources using temperature words (hot or cold)
* explain temperature changes that are caused by energy sources
 | * make observations to describe the source of energy that causes an increase in

 the temperature of an object:* explain how a source of energy can causes an increase in the temperature of an object
* describe, using evidence that the sun is a source of energy that can

 increase of energy* identify the source of energy that increases the temperature in an

 object* communicate the cause and effect relationship of an object and light

 source |
| **Focus Standard(s)** | **Standard** | **Prior Knowledge and/or Unfinished Learning Needs** |
| **1.PS3.A.1** Identify the source of energy that causes an increase in the temperature of an object (sun – stove – flame - lightbulb) | Students will:* make observation to determine the effect of sunlight on Earth’s surface
* with prompting and support, use tools and materials to design and build a structure that will reduce the warming effect of sunlight on an area
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| **Essential Question & Vocabulary** | **Essential Question** | **Lesson Vocabulary** |
| How is energy transferred and conserved | **energy** – the ability to do work**observation** – the act of careful watching and listening**temperature** – a measurement of heat measured in degrees |
| **List of resources or strategies related to learner’s style & needs embedded throughout lesson** | **Cultural Context Differentiation** | **Integrated Technology** |
|  | Mystery Science NG ScienceNearpodPBIS Science |
| **Multi-Tiered Systems of Support (MTSS) Resources**  |

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|  | **MONDAY** | **TUESDAY** | **WEDNESDAY** | **THURSDAY** | **FRIDAY** |
| ***Please be mindful to include specific learning activities, vocabulary strategies, instructional methods, differentiation, and check for understanding in each component of the lesson, as appropriate. Cultural Context Differentiation and Blended Learning should be integrated into all components of the lesson plan. Please see the*** [Lesson Plan Guide Book](https://stlps-my.sharepoint.com/%3Aw%3A/g/personal/ekrueger1599_slps_org/EVqCD0dtTcxBupdABV4PLbMBq7iOszGIGC8cVgd8PqxbpA?e=M0EWNZ) ***for examples and more information.***  |
| **Do Now***(Prior Knowledge or Unfinished Learning)* | * Have students get their notebooks open up to a new page
* write the date
* then write: Energy
 |  | Whiteboard Splash: Draw or write as many energy sources as you can in 5 minutes |  |  |
| **Engage***(Hook / Launch)*  | Introduce the word energy Ask students to brainstorm with a partner “What is energy? |  | Students log into Nearpod:<https://nearpod.com/t/science/kindergarten/types-of-energy-L77551233>View soufces of energy in real world |   |  |
| **Explore***(Activities)* | * Share out
* Students record definition of energy
 |  | NG Science<https://www.youtube.com/watch?v=rkZZjM6Oiw8> |  |  |
| **Explain***(Demonstrate Learning)* |   Introduce vocabulary: energy observation - temperature* Introduce the different types of energy
 |  | Review vocabularyResponse in Nearpod activity |  |  |
| **Elaborate***.**(Extend Thinking)* | Students do a scavenger hunt in the classroom or walk through building identifying different types of energy |  |  |  |  |
| **Evaluate** *(Exit Ticket)* |  |  |  |  |  |
| **Closure***(Brief Review)* | Student responses after scavenger hunt – generate list of sources of energy  |  |  |  |  |
| **Extended Practice** (Homework) |  |  |  |  |  |

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| **Lesson Reflections**  |
| ***Prompts to help you get started on your lesson reflection...***1. Did scholars demonstrate, through their work and activities, that they are moving towards proficiency? If so, how do you know? What pieces of scholar evidence did you use to determine this?
2. How have you / will you provide feedback to scholars?
3. What questions or activities did you plan for to help scholars increase their depth of knowledge (DOK)?
4. Were the scaffolds planned in last week’s instruction effective? What new supports might be added this week to help scholars demonstrate proficiency?
5. How are formative assessments or exit tickets being used for the following day’s Do Now?
6. How are you embedding and/or using vocabulary throughout your lesson?
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