Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_#:\_\_\_Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Remote Learning Lesson 2:   
Computational Thinking

1. In your own words, what is the problem that needs to be solved?

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1. Circle one of the following distances which is closest to the amount of traveling Taylor travels using the simplistic view of Taylor’s house.

|  |  |
| --- | --- |
| 50-60 meters  60-70 meters  70-80 meters  over 80 meters | https://lh5.googleusercontent.com/vjFi10lsb5Xh2r-YhG92DqRGWPD5I27LlWkr_6YZ4HwcYsCzL49O4twaXjgtF8NKbXX6O040PDUkMojqaZc1i0HtwrgMG1yGeDFzblEY0uI89gR4cG__2GYWbDasUP6yoEI2isON |

1. Explain how you could improve Taylor’s plan of attack? Include how much distance your plan requires.

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1. Describe the engineering strategy engineers use, which is discussed in the article: [Work Smart, Not Hard](https://docs.google.com/document/d/1mt0u7DVOSN4iFZiKB6b0eN3X5UR4HPtFPPbXlRWHH2g/edit#heading=h.1hagcj4qf2y6) .

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5.  How does the order of the steps in your plan affect the overall solution?

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6.    Use examples from the text [Algorithms, Algorithms Everywhere](https://docs.google.com/document/d/1C09G5Xzoe3SNfMUczOTOxcCAIh5E8caTkmVydkeeTBs/edit#heading=h.7f4kv4x85unn) to explain if the order of the algorithms matter.

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7.  Make a list of 5 tasks you do in your everyday life that you could represent as algorithms (like we way in Taylor’s life).

|  |  |
| --- | --- |
| 1. |  |
| 2. |  |
| 3. |  |
| 4. |  |
| 5. |  |

8.  Pick your favorite task from question 7, make an algorithm to complete the task as quickly as possible.

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9.  Describe what makes your algorithm the quickest way possible?

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