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**12.07 Message Decoder Worksheet - Nina and Juliana**

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| Reassembled Code | |  |  |  |  |  |  | **Blue Segments** | | |  | **Red Segments** | | |
|  |  |  |  |  |  | **1** | **2** | **3** |  | **1** | **2** | **3** |
| Blue | Red |  |  |  |  |  |  | I | J | V |  | E | N | I |
| I | I |  |  |  |  |  |  | B | T | U |  | T | X | B |
| B | B |  |  |  |  |  |  | Q | B | F |  | T | J | Q |
| Q | Q |  |  |  |  |  |  | Q | Q | S |  | J | U | Q |
| Q | Q |  |  |  |  |  |  | J | S | S |  | T | I | J |
| J | J |  |  |  |  |  |  | O | P | P |  | B | P | O |
| O | O |  |  |  |  |  |  | F | H | S |  | Q | V |  |
| F | F |  |  |  |  |  |  | T | S | T |  | S | U |  |
| T | T |  |  |  |  |  |  | T | B |  |  | P | F |  |
| T | T |  |  |  |  |  |  |  | N |  |  | H | S |  |
| J | J |  |  |  |  |  |  |  | X |  |  | S | S |  |
| T | T |  |  |  |  |  |  |  | J |  |  | B | P |  |
| B | B |  |  |  |  |  |  |  | U |  |  |  | S |  |
| Q | Q |  |  |  |  |  |  |  | I |  |  |  | T |  |
| S | S |  |  |  |  |  |  |  | P |  |  |  |  |  |
| P | P |  |  |  |  |  |  |  |  |  |  |  |  |  |
| H | H |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S | S |  |  |  |  |  |  |  |  |  |  |  |  |  |
| B | B |  |  |  |  |  |  |  |  |  |  |  |  |  |
| N | N |  |  |  |  |  |  |  |  |  |  |  |  |  |
| X | X |  |  |  |  |  |  |  |  |  |  |  |  |  |
| J | J |  |  |  |  |  |  |  |  |  |  |  |  |  |
| U | U |  |  |  |  |  |  |  |  |  |  |  |  |  |
| I | I |  |  |  |  |  |  |  |  |  |  |  |  |  |
| P | P |  |  |  |  |  |  |  |  |  |  |  |  |  |
| V | V |  |  |  |  |  |  |  |  |  |  |  |  |  |
| U | U |  |  |  |  |  |  |  |  |  |  |  |  |  |
| F | F |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S | S |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S | S |  |  |  |  |  |  |  |  |  |  |  |  |  |
| P | P |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S | S |  |  |  |  |  |  |  |  |  |  |  |  |  |
| T | T |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Decoded Message : HAPPINESS IS A PROGRAM WITHOUT ERRORS

**Wrap Up**

1. In what ways does this exercise resemble the process of decoding the Human Genome?

**A. When decoding the Human Genome, you usually break the sequence into small parts and try to decode the sequence from those parts. Then you use the decoded sequence and try to decode the whole sequence. Similar to this, when decoding the message, you usually break the code into small parts and then you start decoding the whole message using the decoded part.**

1. In the future, it is very likely that you will have a job that requires online collaboration with a remotely located co-worker. What are some of the benefits and obstacles to online collaboration?
2. **Since this program can only be done virtually, it is beneficial to have an online collaboration with someone since it is much more efficient to talk to (Ex. video calling, instant messaging) than having to go an meet up somewhere to finish the job.**
3. This exercise depended on each partner sending their completed segments back and forth by email. How could a system like Google Docs simplify this process?

**A. Since both students can simultaneously work on a google doc, it is more time efficient to decode the** message.

1. What personal skills are required for successful collaboration? Do you have those skills?
2. **You will need personal skills such as communication skills. If you are unable to successfully convey your ideas to the other partner, it is quite hard to successfully finish a project. I am not sure if I am able to fully convey my ideas, but I think I do have communication skills.**
3. What work related skills are required for successful collaboration? Do you have those skills?
4. **Time management and trying to finish your work fast as possible with quality. Since this assignment is not just for your own grade but for your partners, it is important to send back your portion of the assignment as soon as possible, so that you will not cause trouble for your partner.**
5. What kinds of tasks would not be suitable for online collaboration? Briefly explain why at least one of the tasks would not be suitable for online collaboration.

**A. Sports. Since sports is something that you do physically, you can only collaborate by actually going outside and playing face - to - face with your teammates.**