**ICS4U Course Feedback**

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| **Digital Sage** |
| *Students investigate ethical, environmental and emerging technology topics to develop life-long, conscientious attitudes and habits.* |

*IDQ = insufficient data or quality (less than 50%), B = beginning (50-59%), D = developing (60-69%), P = proficient (70-79%), C = comprehensive (80-89%), E = exemplary (90-100%)*

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| *Digital Sage*  *RVN = Review and New, ET = Emerging Technology, TCS = Theoretical Computer Science (1 = first assessment, 2 = second assessment)* | | | | | | |
| *We are learning to analyze the impact of emerging technologies on society, the economy, the environment, assessing strategies to promote environmental stewardship (D1, D3)* | | | | | | |
| Success Criteria (I can…) | IDQ | B | D | P | C | E |
| outline strategies to reduce the negative impacts of the emerging technology on the **environment**. | * ET1 * ET2 | * ET1 * ET2 | * ET1 * ET2 | * ET1 * ET2 | * ET1 * ET2 | * ET1 * ET2 |
| outline strategies to reduce the negative impacts of the emerging technology on **human health**. | * ET1 * ET2 | * ET1 * ET2 | * ET1 * ET2 | * ET1 * ET2 | * ET1 * ET2 | * ET1 * ET2 |
| comprehensively investigate an emerging technology | * ET1 * ET2 | * ET1 * ET2 | * ET1 * ET2 | * ET1 * ET2 | * ET1 * ET2 | * ET1 * ET2 |
| explain the impact of the emerging technology on **societies and cultures** around the world. | * ET1 * ET2 | * ET1 * ET2 | * ET1 * ET2 | * ET1 * ET2 | * ET1 * ET2 | * ET1 * ET2 |
| explain the impact of the emerging technology on **local and world economies**. | * ET1 * ET2 | * ET1 * ET2 | * ET1 * ET2 | * ET1 * ET2 | * ET1 * ET2 | * ET1 * ET2 |
| report on some areas of emerging technology based on information found in **industry publications**. | * ET1 * ET2 | * ET1 * ET2 | * ET1 * ET2 | * ET1 * ET2 | * ET1 * ET2 | * ET1 * ET2 |
| *We are investigating and reporting on theoretical computer science topics, collaborative research fields, career opportunities therein, as well as analyzing ethical issues related to the theoretical computer science topic (D2, D4)* | | | | | | |
| Success Criteria (I can…) | IDQ | B | D | P | C | E |
| outline strategies to encourage ethical computing practices at home, at school, or at work. | * RVN | * RVN | * RVN | * RVN | * RVN | * RVN |
| comprehensively investigate a topic of theoretical computer science. | * TCS1 * TCS2 | * TCS1 * TCS2 | * TCS1 * TCS2 | * TCS1 * TCS2 | * TCS1 * TCS2 | * TCS1 * TCS2 |
| investigate, analyze, and propose solutions to ethical issues that could propagate from the development or implementation of the theoretical topic. | * TCS1 * TCS2 | * TCS1 * TCS2 | * TCS1 * TCS2 | * TCS1 * TCS2 | * TCS1 * TCS2 | * TCS1 * TCS2 |
| explain the impact of the theoretical topic on a collaborative research field (e.g. bioinformatics, geology, economics, linguistics, etc.) | * TCS1 * TCS2 | * TCS1 * TCS2 | * TCS1 * TCS2 | * TCS1 * TCS2 | * TCS1 * TCS2 | * TCS1 * TCS2 |
| research and describe careers associated with the chosen collaborative research field that use the theoretical computer science topic chosen. | * TCS1 * TCS2 | * TCS1 * TCS2 | * TCS1 * TCS2 | * TCS1 * TCS2 | * TCS1 * TCS2 | * TCS1 * TCS2 |
| research and describe the post-secondary education required to prepare for the career described in the above success criteria. | * TCS1 * TCS2 | * TCS1 * TCS2 | * TCS1 * TCS2 | * TCS1 * TCS2 | * TCS1 * TCS2 | * TCS1 * TCS2 |
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| **Overall teacher comments:** | | | | | | |
| **Student unit reflection or comments:** | | | | | | |