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| **Explain WHO will be working with you:** | |
| * WHO do you credit for sparking this project idea? (provide a link if inspiration found online, a reference if found in a book/magazine, name/relationship to you for any person(s) who inspired or assisted you) |  |
| * WHO will be holding you accountable to the deadlines you set to ensure your project is completed on time? |  |
| * WHO will you be counting on for support when you need help troubleshooting physical computing failures? |  |
| * WHO will you be counting on for support when you need help writing and debugging code? |  |
| * WHO will you be counting on for support when you need access to tools or equipment outside the classroom? |  |
| * WHO will you be counting on for support when you get frustrated, angry, or upset as challenging obstacles arise? |  |
| **Explain WHAT you will be making/learning:** | |
| * WHAT is its purpose and function? |  |
| * WHAT will it look like when completed? |  |
| * WHAT materials will go into it? |  |
| * WHAT tools or equipment are required to assemble it? |  |
| * WHAT coding language will run it? |  |
| * WHAT proportion of code will you be required to write yourself vs. download from online or copy from a project guide? |  |
| * WHAT physical computing elements or electronics will it include? |  |
| **Explain WHY you want to do THIS project:** |  |
| * WHY do you prefer this project idea more than others? |  |
| * WHY are you excited, energized, and/or enthused about this project idea? |  |
| * WHY might the teacher disagree that this is the best option for YOU? |  |
| **Explain WHERE your current skill level is:**  <NEWBIE> 🡪 I can download a working file and run it or copy coding statements that work from a DIY guide  <BEGINNER> 🡪 I debug downloaded code by copy/pasting online fixes, but don’t really understand why it works  <DEVELOPING> 🡪 I understand the code I’m reading and can modify it a little to get it to do what I want  <INTERMEDIATE> 🡪 I can write my own simple programs but need a lot of references and help debugging  <PROFICIENT> 🡪 I can write complex code and only look up API’s when learning new or more advanced methods  <ADVANCED> 🡪 I consider myself fluent in at least one coding language and enjoy writing AND debugging my code  <EXPERT> 🡪 I consider myself fluent in multiple coding languages. I write in the language appropriate to the task  <MASTER> 🡪 I pick up new coding languages almost effortlessly because I understand their common structures and pick up on the differences in syntax and command vocabulary quickly  <HACKER> 🡪 I am skilled not only in coding but also have expertise in designing, installing, maintaining, upgrading, and updating all types of digital devices and networks. I can use my technical knowledge to overcome any problem.  <MINOR DIETY> 🡪 I write my own encryption algorithms and sell them to companies to improve the security of their data. I’m creating my own programming language which will likely replace other object-oriented languages once my beta testing is finished and its ready for public release. | |
| * WHERE do you rate your coding skills in the programming language(s) required for your project? |  |
| * WHERE do you rate the coding skill level required to successfully complete this project? |  |
| * WHERE will you go for assistance if your current ability level is lower than what is needed for this project? |  |
| * WHERE will you force your skill level to grow if higher than what is required for the project you selected? |  |
| **Explain HOW you will be making it:** | |
| * HOW will you make it? (provide links or references to any project guides you plan to use) |  |
| * HOW will you power it? |  |
| * HOW will you store it while under development? |  |
| * HOW will you keep your materials, tools, equipment, and files organized? |  |
| * HOW will you protect yourself, your classmates, and your project from accidental damage, cuts, burns, electric shock, fumes, and/or fire? |  |
| * HOW will you plan for obstacles such as failing hardware, software conflicts, power surges, corrupted files, virus or malware infiltration? |  |
| * HOW will you cite your sources and/or credit any people who give significant assistance? |  |
| * HOW will you demonstrate your project at the show? |  |
| **Explain WHEN you expect to reach each of the project development benchmarks you’ve set for yourself to ensure completion no later than April 17th. (Use as many lines below as needed.)** | |
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