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| **Makerspace Application** |

1. Title of Site Application *(Makerspace or other)*:

2. Proposal Contact Person: Date:

1. Makerspace addresses the Framework for Next Generation K-12 Science Education: Practices, Crosscutting Concepts and Core Ideas.

Essential elements of the Next Generation K-12 Science and Engineering curriculum are the following eight practices:

1. Asking questions (for science) and defining problems (for engineering);

2. Developing and using models;

3. Planning and carrying out investigations;

4. Analyzing and interpreting data;

5. Using mathematics and computational thinking;

6. Constructing explanations (for science) and designing solutions (for engineering);

7. Engaging in argument from evidence; and

8. Obtaining, evaluating, and communicating information.

1. Focus Area Selected (check all that apply):

|  |  |  |  |
| --- | --- | --- | --- |
| Reading | Math | Instructional Technology | STEM |
| Writing | Science |  | |

1. School Site:

|  |  |  |  |
| --- | --- | --- | --- |
| Grand View | Pacific | Robinson  Meadows | Pennekamp |
|  |
|  | | | |

1. Makerspace Goals:
2. Target Audience:
3. Makerspace Core Volunteers (*suggested positions*):

|  |  |  |
| --- | --- | --- |
| Position | Name | Email |
| Makerspace Host (Coordinator) |  |  |
| Project Manager |  |  |
| Space Organizer |  |  |
| Parent Volunteer Recruiter |  |  |
| Material and Supplies Coordinator |  |  |
| Recyclables Manager |  |  |
| Student Application Processor |  |  |
| Coaches |  |  |

1. 3D Printer request:

|  |  |
| --- | --- |
| Yes | No |

* 3D Audience (Grade level use):
* 3D Printer projects and timeframe:

1. Physical Space Location checklist -
   * Reconfigure needs of space:
   * Electrical power needs/supplies:
   * Storage space:
2. Type of Makerspace Projects *(describe the type of projects that will happen within the Makerspace)*:

|  |  |  |  |
| --- | --- | --- | --- |
| Type | Project | Grade | Number of Sessions |
| Exploratory: Workshop project sets in skill building; a sampler of a few brief projects that expose students to some of the basics within a given domain. |  |  |  |
| Applied: More involved, cross-disciplinary projects which may or may not cross domains and ask the students to extend the skills that they acquired in the introductory, skill-building workshops. |  |  |  |
| Portfolio: Ambitious projects largely of the students’ own design, made by individuals or team and exhibited at Maker Faire or another big, showcase event. |  |  |  |

1. Tools and Materials (Checklist):

*\*It can be very effective to wait to purchase a new tool only when a project comes along that it needs.*

1. Plan for Safety *(precautions to ensure everyone’s safety)*:
2. Workshop Ground Rules *(purpose, access to space, space use)*:

*\*attach your template\**

1. Participation Agreement *(define and managing responsibilities)*:
2. Evaluation *(explain how you will evaluate the success of the Makerspace)*:

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| --- |
| **Budget** |

|  |  |  |
| --- | --- | --- |
| **Item/Expense** | **Goal**  (Refer to NextGen essential elements) | **Cost** |
|  |  | $ |
|  |  | $ |
|  |  | $ |
|  |  | $ |

|  |  |
| --- | --- |
| **TOTAL** |  |

Signatures:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Contact Person (Print) Contact Person (Signature) Date

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Principal (Print) Principal (Signature) Date

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Education Services (Print) Education Services (Signature) Date

Appendix A





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