

Design

Creating – I can conceive and develop new design ideas and work. CR

1 I can conceive and develop a design challenge.

NL.1 I can recognize design questions. DE.CR.NL.1

- 1 I can answer the design challenge questions who, what, and where, in order to define the design challenge. DE.CR.NL.1.1

NM.1 I can recognize how design questions are used to solve problems. DE.CR.NM.1

- 1 I can answer the design challenge questions who, what, when, and where in order to define the design challenge. DE.CR.NM.1.1

NH.1 I can answer design challenge questions. DE.CR.NH.1

- 1 I can answer the design challenge questions who, what, when, where, and why and how in order to define the design challenge. DE.CR.NH.1.1

IL.1 I can work with a team to answer design challenge questions. DE.CR.IL.1

- 1 I can work with a team to answer the design challenge questions who, what, when, where, and why and how to define the design challenge. DE.CR.IL.1.1

IM.1 I can work with a team from a given list to identify and describe a design challenge to develop. DE.CR.IM.1

- 1 I can work with a team to select a design challenge from a given list using certain criteria to answer the design challenge questions and define the challenge. DE.CR.IM.1.1

IH.1 I can work with a team from a given list of design challenges and select one to describe. DE.CR.IH.1

- 1 I can work with a team to discuss design challenges from a given list and select one to describe from answers to the design challenge questions. DE.CR.IH.1.1

AL.1 I can work with a team to conceive many design challenge possibilities relating to a certain topic. DE.CR.AL.1

- 1 I can work with a team using design thinking strategies to list several design challenge possibilities about a topic and select one to define. DE.CR.AL.1.1

AM.1 I can work with a team to conceive many design challenge possibilities. DE.CR.AM.1

- 1 I can work with a team using design thinking strategies to list many design challenge possibilities and prioritize to select one to define. DE.CR.AM.1.1

AH.1 I can work on my own to conceive many design challenge possibilities. **DE.CR.AH.1**

- 1 I can use design thinking strategies to list many design challenge possibilities and prioritize to select one to define. **DE.CR.AH.1.1**

2 I can research to explore and identify aspects of the design challenge.

NL.2 I can recognize research methods. **DE.CR.NL.2**

- 1 I can use a research method to investigate the design challenge. **DE.CR.NL.2.1**

NM.2 I can recognize how research is used to solve a design problem. **DE.CR.NM.2**

- 1 I can use research methods to investigate the design challenge. **DE.CR.NM.2.1**

NH.2 I can apply research methods. **DE.CR.NH.2**

- 1 I can use a variety of methods to investigate the design challenge. **DE.CR.NH.2.1**

IL.2 I can work with a team to research aspects of the design challenge. **DE.CR.IL.2**

- 1 I can work with a team to identify necessary information for the design challenge. **DE.CR.IL.2.1**

IM.2 I can work with a team to research and describe aspects of the design challenge. **DE.CR.IM.2**

- 1 I can communicate my research to the team. **DE.CR.IM.2.1**

IH.2 I can work with a team to explain why researched aspects of the design challenge are needed. **DE.CR.IH.2**

- 1 I can work with a team to prioritize research from the individual team members. **DE.CR.IH.2.1**

AL.2 I can work with a team to analyze the aspects of the design challenge. **DE.CR.AL.2**

- 1 I can examine my research and report the connections of that information with the team. **DE.CR.AL.2.1**

AM.2 I can work independently or with a team to evaluate the parts of the design challenge. **DE.CR.AM.2**

- 1 I can work with a team to determine the importance of the research from the team members. **DE.CR.AM.2.1**

AH.2 I can lead a discussion to evaluate the parts of the design challenge. **DE.CR.AH.2**

- 1 I can guide my team in determining the importance of the research from the team members. **DE.CR.AH.2.1**

3 I can select and create possible solutions to the design challenge.

NL.3 I can recognize design thinking. **DE.CR.NL.3**

- 1 I can use a design thinking strategy to list possible design solutions to the challenge. **DE.CR.NL.3.1**

NM.3 I can recognize how design thinking is used to solve a design problem. **DE.CR.NM.3**

- 1 I can use more than one design thinking strategy to list possible design solutions to the challenge. **DE.CR.NM.3.1**

NH.3 I can apply design thinking strategies. **DE.CR.NH.3**

- 1 I can use a variety of design thinking strategies to list possible design solutions to the challenge. **DE.CR.NH.3.1**

IL.3 I can work with a team using design thinking strategies to generate ideas for design solutions to the challenge. **DE.CR.IL.3**

- 1 I can work with a team using a variety of design thinking strategies to list possible design solutions without judgment. **DE.CR.IL.3.1**

IM.3 I can work with a team using design thinking strategies to generate some usable design solutions to the challenge. **DE.CR.IM.3**

- 1 I can work with a team to turn ideas into possible design solution concepts. **DE.CR.IM.3.1**

IH.3 I can work with a team using design thinking strategies to generate many usable design solutions to the challenge. **DE.CR.IH.3**

- 1 I can work with a team to determine which design solutions effectively meet the challenge criteria. **DE.CR.IH.3.1**

AL.3 I can work with a team to analyze usable design solutions to the challenge. **DE.CR.AL.3**

- 1 I can examine, discuss, and select possible design solutions to best address the challenge. **DE.CR.AL.3.1**

AM.3 I can work independently or with a team to evaluate the usable design solutions to the challenge. **DE.CR.AM.3**

- 1 I can work with a team to develop criteria to determine the value of the usable design solutions to the challenge. **DE.CR.AM.3.1**

AH.3 I can lead a discussion to evaluate the usable design solutions to the challenge. **DE.CR.AH.3**

- 1 I can guide my team in determining the value of the usable design solutions to the challenge. **DE.CR.AH.3.1**

4 I can create an original prototype.

NL.4 I can recognize a prototype. **DE.CR.NL.4**

- 1 I can explore using physical models, space models, interactions, and storytelling as prototypes. **DE.CR.NL.4.1**

NM.4 I can recognize how a prototype is used to solve a design challenge. **DE.CR.NM.4**

- 1 I can use strategies to create a two-dimensional drawing or a three-dimensional model of a design solution. **DE.CR.NM.4.1**

NH.4 I can explore materials, techniques, and processes to create a prototype. **DE.CR.NH.4**

- 1 I can use basic materials and techniques to develop a model of my design ideas. **DE.CR.NH.4.1**

IL.4 I can work with a team to make a prototype that represents a solution to a design challenge. **DE.CR.IL.4**

- 1 I can work with a team to make a prototype to experience the design challenge criteria. **DE.CR.IL.4.1**

IM.4 I can work with a team to make multiple prototypes that represent various solutions to a design challenge. **DE.CR.IM.4**

- 1 I can work with a team to make prototypes to experience the design challenge criteria. **DE.CR.IM.4.1**

IH.4 I can work with a team to create a prototype to solve a design challenge. **DE.CR.IH.4**

- 1 I can work with a team to create a prototype that addresses functional aspects and aesthetics. **DE.CR.IH.4.1**

AL.4 I can work with a team to create a prototype that solves multiple aspects of a design challenge. **DE.CR.AL.4**

- 1 I can work with a team to select materials, techniques, and processes to create a prototype. **DE.CR.AL.4.1**

AM.4 I can work with a team to create a prototype that solves all aspects of a design challenge functionally and aesthetically. **DE.CR.AM.4**

- 1 I can work with a team to select and apply the best materials, techniques, and processes to create a prototype. **DE.CR.AM.4.1**

AH.4 I can use sophisticated materials, techniques, and processes to create the most viable prototype. **DE.CR.AH.4**

- 1 I can select and apply professional materials, techniques, and processes to create a prototype. **DE.CR.AH.4.1**

Presenting – I can present new design ideas and work. P

5 I can present my final design solution.

NL.5 I can share my design with a small group. **DE.P.NL.5**

- 1 I can share my prototype and answer simple questions about the design solution. **DE.P.NL.5.1**

NM.5 I can identify how a design presentation is used to solve a design challenge. **DE.P.NM.5**

- 1 I can explain the design challenge and my design solution. **DE.P.NM.5.1**

NH.5 I can present my design solution to a design challenge. **DE.P.NH.5**

1 I can present my design solution to the challenge using a visual. **DE.P.NH.5.1**

IL.5 I can work with a team to present our design solution to a challenge. **DE.P.IL.5**

1 I can work with a team to present our design solution to the challenge using one or more visuals. **DE.P.IL.5.1**

IM.5 I can work with a team to select an approach to present our design solution to a challenge. **DE.P.IM.5**

1 I can work with a team to select an approach using technology for the design solution presentation. **DE.P.IM.5.1**

IH.5 I can work with a team to prepare and deliver a presentation that has defined criteria. **DE.P.IH.5**

1 I can work with a team to create a presentation that includes specific criteria and delivers required information concerning the design challenge and design solution. **DE.P.IH.5.1**

AL.5 I can work with a team to prepare and deliver a presentation to a sample target group. **DE.P.AL.5**

1 I can work with a team to present our design solution to a group of possible users/consumers for feedback. **DE.P.AL.5.1**

AM.5 I can work with a team to develop a well-prepared, aesthetically pleasing presentation for a sample target group that includes community business leaders or professionals in the field. **DE.P.AM.5**

1 I can work with a team to present our design solution to a sample target group that includes community business leaders and professionals in a related field for feedback. **DE.P.AM.5.1**

AH.5 I can develop a well-prepared, aesthetically pleasing presentation for a sample target group that includes professionals and business leaders in my community. **DE.P.AH.5**

1 I can present our design solution to a sample target audience that includes professionals and business leaders in a related field for feedback. **DE.P.AH.5.1**

Responding – I can respond to feedback from others on new design ideas and work. **R**

6 I can reflect and revise based on feedback and input.

NL.6 I can recognize how reflection is necessary in the design process. **DE.R.NL.6**

1 I can identify the strengths of my design and designs of others. **DE.R.NL.6.1**

NM.6 I can recognize that revision is necessary in the design process. **DE.R.NM.6**

1 I can identify areas of my design and the designs of others that need improvement. **DE.R.NM.6.1**

NH.6 I can encourage feedback to my design and the designs of others by asking and answering questions. **DE.R.NH.6**

1 I can prepare some questions for feedback to help me revise my design. **DE.R.NH.6.1**

IL.6 I can reflect on and provide feedback to a design solution. **DE.R.IL.6**

- 1 I can work with a team to record feedback and summarize design solution recommendations. **DE.R.IL.6.1**

IM.6 I can interpret feedback from my peers to revise our design solution. **DE.R.IM.6**

- 1 I can work with a team to list and prioritize feedback to improve our design solution. **DE.R.IM.6.1**

IH.6 I can work with a team to analyze and explain the steps of the design solution revision. **DE.R.IH.6**

- 1 I can work with a team to plan and develop the steps to improve our design solution. **DE.R.IH.6.1**

AL.6 I can work with a team to retest our revised design solution and analyze the results. **DE.R.AL.6**

- 1 I can work with a team to improve the functionality of our design solution and record the results of the modifications. **DE.R.AL.6.1**

AM.6 I can work with a team to explain future improvements and repeat the design process to revise and retest the design solution. **DE.R.AM.6**

- 1 I can work with a team to repeat the design process as necessary to improve the design solution. **DE.R.AM.6.1**

AH.6 I can facilitate the repetition of the design process to revise and retest the design solution. **DE.R.AH.6**

- 1 I can guide and frame questions to facilitate the design process to improve a design solution. **DE.R.AH.6.1**

Connecting – I can relate artistic ideas and work with personal meaning and external context. **C**

7 I can identify and examine design through history and world culture.

NL.7 I can recognize some examples of design found in my home and community. **DE.C.NL.7**

- 1 I can find and name some designs (object environmental, communication, or experiential) around me. **DE.C.NL.7.1**

NM.7 I can recognize differences in designs found in my home and community. **DE.C.NM.7**

- 1 I can name some different design materials and methods of construction. **DE.C.NM.7.1**

NH.7 I can describe differences in designs from various cultures throughout history. **DE.C.NH.7**

- 1 I can compare how designs are different in various cultures throughout history. **DE.C.NH.7.1**

IL.7 I can identify improvements or changes in designs found in various cultures and time periods. **DE.C.IL.7**

- 1 I can compare design similarities and differences among different cultures and time periods. **DE.C.IL.7.1**

- IM.7** I can describe why improvements or changes were made in designs found in various cultures and time periods. **DE.C.IM.7**
- 1** I can explain the possible reasons improvements and/or changes were made in a design through different cultures and time periods. **DE.C.IM.7.1**
- IH.7** I can analyze a variety of design works from different cultures and time periods. **DE.C.IH.7**
- 1** I can recognize patterns in design choices and make connections to the development of design through different cultures and time periods. **DE.C.IH.7.1**
- AL.7** I can examine past design works to determine their influence on present designs. **DE.C.AL.7**
- 1** I can find and compare how choices from a current design reflect influences of past design solutions. **DE.C.AL.7.1**
- AM.7** I can work with a team to analyze the influence of past design works on present design challenges. **DE.C.AM.7**
- 1** I can work with a team to explain how the designer's choices on the current design challenge reflect influences of design solutions from the past. **DE.C.AM.7.1**
- AH.7** I can evaluate my design solution to determine the effective use of past design works. **DE.C.AH.7**
- 1** I can assess my design choices and relate them to past design influences. **DE.C.AH.7.1**
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8 I can relate design ideas to other arts disciplines, content areas, and careers.

- NL.8** I can explore design concepts among arts disciplines, other content areas, and related careers. **DE.C.NL.8**
- 1** I can connect design with objects in my home and school. **DE.C.NL.8.1**
- 2** I can recognize that people have careers in design. **DE.C.NL.8.2**
- NM.8** I can recognize design concepts among arts disciplines, other content areas, and related careers. **DE.C.NM.8**
- 1** I can recognize that design exists in all arts disciplines and other content areas. **DE.C.NM.8.1**
- 2** I can identify design businesses and careers in my community. **DE.C.NM.8.2**
- NH.8** I can apply design concepts among arts disciplines, other content areas, and related careers. **DE.C.NH.8**
- 1** I can use design concepts in other subjects in my school. **DE.C.NH.8.1**
- 2** I can identify ways design thinking is used in other careers or vocations. **DE.C.NH.8.2**

- IL.8** I can explore a range of skills shared among arts disciplines and other content areas and how they can be applied in a design career. **DE.C.IL.8**
- 1** I can investigate a range of skills used in various design careers, arts disciplines, and content areas. **DE.C.IL.8.1**
- IM.8** I can recognize specific skills shared among arts disciplines and other content areas and how they can be applied in a design career. **DE.C.IM.8**
- 1** I can name design skills used in various arts disciplines and content areas and relate these skills to a career in design. **DE.C.IM.8.1**
- IH.8** I can analyze the tools, concepts, and materials used among arts disciplines and other content areas and how they are used in a design career. **DE.C.IH.8**
- 1** I can investigate tools, concepts, and materials used in other arts disciplines and content areas. **DE.C.IH.8.1**
- AL.8** I can apply concepts among arts disciplines and other content areas to design and analyze how my interests and skills will prepare me for a career. **DE.C.AL.8**
- 1** I can use concepts found in various arts disciplines and other content areas in a design work. **DE.C.AL.8.1**
- AM.8** I can explain how economic conditions, values, and location influence design and the need for design-related careers. **DE.C.AM.8**
- 1** I can describe how economic conditions, values, and geographic locations affect design and design careers. **DE.C.AM.8.1**
- AH.8** I can research societal and political issues as they relate to other arts and content areas and apply to my role as a designer. **DE.C.AH.8**
- 1** I can examine the importance of the work of a designer in issues that relate to a global society. **DE.C.AH.8.1**