

South Carolina Visual and Performing Arts

# **Design: Grades K, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12**

Adopted 2017

## Creating

### 1 I can conceive and develop a design challenge.

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**
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**
1. I can answer design challenge questions. **DE.CR.NH.1**
  1. I can answer the design challenge questions who, what, when, where, why, and how in order to define the design challenge. **DE.CR.NH.1.1**
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, why, and how to define the design challenge. **DE.CR.IL.1.1**
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 criteria to answer the design challenge questions and define the challenge. **DE.CR.IM.1.1**
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 in a team to discuss design challenges from a given list and select one to define from answers to the design challenge questions. **DE.CR.IH.1.1**
1. 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 options about a topic and select one to define. **DE.CR.AL.1.1**
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**
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**

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

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**
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**
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**
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**
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**
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**
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**
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**
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**

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

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**
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**
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**
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 judgement. **DE.CR.IL.3.1**
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**
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**
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**
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**
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**

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#### 4 I can create an original prototype.

- 4. 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](#)
  - 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](#)
  - 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](#)
  - 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](#)
  - 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](#)
  - 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 make a prototype that addresses functional aspects and aesthetics. [DE.CR.IH.4.1](#)
  - 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](#)
  - 4. 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](#)
  - 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](#)
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## Presenting

### 5 I can present my final design solution.

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**
  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**
  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**
  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**
  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**
  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**
  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 in a team to present our design solution to a group of possible users/consumers for feedback. **DE.P.AL.5.1**
  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 in 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**
  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**
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## Responding

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

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**
  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**
  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**
  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**
  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**
  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**
  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**
  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**
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## Connecting

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

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**
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**
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**
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**
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**
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**
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**
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**
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.**

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**
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**
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**
8. I can explore a range of skills shared among arts disciplines, 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**
8. I can recognize specific skills shared among arts disciplines, 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**
8. I can analyze the tools, concepts, and materials used among arts disciplines, 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**
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**
8. I can explain how economic conditions, cultural values, and location influence design and the need for design related careers. **DE.C.AM.8**
  1. I can describe how economic conditions, cultural values, and geographic locations affect design and design careers. **DE.C.AM.8.1**
8. I can research societal, political, and cultural 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**