

How to use the matrices:

As you explore the matrices, you will be able to see when a particular Priority Performance Indicator (PPI) is used, at which grade level, and how many times over a student’s K-12 educational experience.

For grades K-5, the IRIS and Transferable Skills PPIs are shared across the content areas and labeled by the unit number (“U.2”).

For grades 6-12, you will see codes used to indicate the content area, grade level, and unit number. For example, “M.6.2” means that the PPI is integrated into the 2nd U.nit, in 6th Grade, in Mathematics. For grades 9-12, the courses are aligned to the grade in the chart below:

Ex: M..6.2	Mathematics, 6th Grade, Unit #2
Ex. U.4* *Elementary only	ELA/Mathematics/Social Studies/Science, Unit #4

Content Area:	Code:	9th Grade:	10th Grade:	11th Grade:	12th Grade:
English Language Arts	ELA	9th Grade	10th Grade	11th Grade	12th Grade
Essential Arts	Art				
Mathematics	M	Algebra I	Geometry	Algebra 2	Statistics
Science	S	Earth Science	Biology	Chemistry	Physics
Social Studies	SS	World History	U.S History	Civics	Psychology/ Economics

1. Clear and Effective Communication	1.A. Demonstrate organized and purposeful communication.	1.B. Use evidence and logic appropriately in communication.	1.C. Integrate information gathered from active speaking and listening.	1.D. Adjust communication based on the audience, context, and purpose.	1.E. Demonstrate effective, expressive, and receptive communication, including oral, written, multi-media, and performance.	1.F. Use technology to further enhance and disseminate communication.	1.G. Collaborate effectively and respectfully.
Kindergarten			Art.K-2.6		U.4, U.7		U.1
1st Grade		U.4, U.8	U.1, Art.K-2.6				
2nd Grade			Art.K-2.6				
3rd Grade	U.4	U.3	Art.3-5.5	U.7		Art.3-5.1	Art.3-5.8
4th Grade		U.6	U.1, Art.3-5.5			Art.3-5.1	Art.3-5.8
5th Grade			Art.3-5.5			Art.3-5.1, U.8	U.1, Art.3-5.8
6th Grade	Art.6-8.4	Art.6-8.3		S6.2, Art.6-8.7	SS.6.4	SS.6.5	
7th Grade	S.7.2, Art.6-8.4	Art.6-8.3		Art.6-8.7	S7.4	SS.7.8	SS.7.1
8th Grade	Art.6-8.4	Art.6-8.3		Art.6-8.7	M.8.5, S8.8, ELA.8.1, ELA.8.5	SS.8.8	SS.8.1
9th Grade	S.9.2, ELA.9.2		SS.9.1	ELA.9.4	S9.1, ELA.9.1, Art.9-12.8, SS.9.3	SS.9.4	Art.9-12.1
10th Grade	M.10.8, S.10.1, S.10.6, ELA.10.1, ELA.10.6			S10.4; ELA.10.4	Art.9-12.8	SS.10.8	Art.9-12.1, SS.10.1
11th Grade	S.11.1, ELA.11.7	M.11.6	SS.11.3	S11.7, SS.11.5	ELA.11.8, Art.9-12.8		Art.9-12.1
12th Grade	ELA.12.3, ELA.12.8, SS.12.6	S12.1		ELA.12.5, SS.12.2	Art.9-12.8	S12.5	Art.9-12.1

2. Self-Direction	2.A. Identify, manage, and assess new opportunities related to learning goals.	2.B. Integrate knowledge from a variety of sources to set goals and make informed decisions.	2.C. Apply knowledge in familiar and new contexts.	2.D. Demonstrate initiative and responsibility for learning.
Kindergarten	U.8			
1st Grade				
2nd Grade		U.6		
3rd Grade		Art.3-5.4		
4th Grade		Art.3-5.4	U.7	
5th Grade		U.4, Art.3-5.4		
6th Grade	SS.6.2, SS.6.8			S6.5
7th Grade			S7.3	
8th Grade			S8.6	
9th Grade	SS.9.6	Art.9-12.4		
10th Grade		M.10.4; Art.9-12.4	S.10.8	
11th Grade		Art.9-12.4		M.11.4
12th Grade		Art.9-12.4		

2. Self-Direction (Continued)	2.E. Demonstrate flexibility, including the ability to learn, unlearn, and relearn.	2.F. Analyze the accuracy, bias, and usefulness of information.	2.G. Collaborate as needed to advance learning.	2.H. Persevere in challenging situations.	2.I. Use technology and digital media strategically and capably.
Kindergarten			Art.K-2.2	Art.K-2.1	
1st Grade	U.5		Art.K-2.2	Art.K-2.1	
2nd Grade			U.2, Art.K-2.2	U.1, Art.K-2.1	
3rd Grade		U.5			
4th Grade					
5th Grade					
6th Grade				M.6.4; ELA.6.4	
7th Grade		M.7.3; ELA.7.3, SS.7.2			
8th Grade					
9th Grade					SS.9.8
10th Grade	M.10.7	SS.10.2			
11th Grade	M.11.5	S11.5, SS.11.6			
12th Grade					

3. Creative and Practical Problem Solving	3.A. Observe and evaluate situations in order to define problems.	3.B. Frame questions, make predictions, and design data collection and analysis strategies.	3.C. Identify patterns, trends, and relationships that apply to solutions.	3.D. Analyze, evaluate, and synthesize evidence, arguments, claims, and beliefs.
Kindergarten		Art.K-2.3		
1st Grade		Art.K-2.3	U.2	
2nd Grade		U.3, Art.K-2.3		U.6
3rd Grade			U.1	
4th Grade		U.5		
5th Grade				
6th Grade		M.6.8; ELA.6.8	M.6.3; Art.6-8.1; ELA.6.3	
7th Grade			M.7.7	ELA.7.8
8th Grade	SS.8.7		M.8.2; S8.2; ELA.8.2	
9th Grade			M.9.2; S9.6; ELA.9.6	M.9.6
10th Grade			M.10.3; M.10.6, S10.7	ELA.10.7
11th Grade	M..11.8		M.11.7	S11.4
12th Grade		SS.12.7		M.12.6, S12.2

3. Creative and Practical Problem Solving	3.E. Generate a variety of solutions, use evidence to build a case for best responses, critically evaluate the effectiveness of responses, and repeat the process to generate alternate solutions.	3.F. Identify opportunities for innovation and collaboration.	3.G. Use a range of tools, including technology, to solve problems.	3.H. Persist in solving challenging problems and learn from failure.
Kindergarten				Art.K-2.4
1st Grade			U.3	Art.K-2.4
2nd Grade				U.4, Art.K-2.4
3rd Grade				
4th Grade				
5th Grade				
6th Grade				S6.7
7th Grade	ELA.7.7	M.7.4; ELA.7.4	M.7.5; ELA.7.5	M.7.8, S7.8
8th Grade			M.8.3, S8.7; ELA.8.3	
9th Grade	M.9.8		S9.7; ELA.7	S9.8; ELA.9.8
10th Grade			M.10.2	
11th Grade	M.11.3		ELA.11.2	ELA.11.1
12th Grade	M.12.7	ELA.12.2	M.12.3, S12.6	S12.7, S12.8

4. Responsible and Involved Citizenship	4.A. Participate in and contribute to the enhancement of community life.	4.B. Take responsibility for personal decisions and actions.	4.C. Demonstrate ethical behavior and the moral courage to sustain it.	4.D. Respect diversity and differing points of view.	4.E. Demonstrate a commitment to personal and community health and wellness.	4.F. Practice responsible digital citizenship.
Kindergarten	U.2, Art.K-2.5			U.5		
1st Grade	Art.K-2.5					
2nd Grade	U.5; Art.K-2.5					
3rd Grade			Art.3-5.3			
4th Grade	U.3		Art.3-5.3	U.8		
5th Grade		U.6	U.3, Art.3-5.3			
6th Grade	M.6.7; ELA.6.7, Art.6-8.5				S6.3	M.6.1; ELA.6.1
7th Grade	Art.6-8.5	M.7.2, ELA.7.2, SS.7.6			M.7.4; ELA.7.6	
8th Grade	M.8.8; ELA.8.7, Art.6-8.5	ELA.8.8, SS.8.6	SS.8.3	S8.5		S8.3
9th Grade		Art.9-12.6	Art.9-12.3			
10th Grade		Art.9-12.6, SS.10.6	S10.3; Art.9-12.3; ELA.10.3			
11th Grade		Art.9-12.6	Art.9-12.3	SS.11.7	S11.8	M.11.1
12th Grade	M.12.1, SS.12.8	Art.9-12.6	ELA.12.6, Art.9-12.3		SS.12.4	

5. Informed and Integrative Thinking	5.A. Apply knowledge from various disciplines and contexts to real life situations.	5.B. Analyze, evaluate, and synthesize information from multiple sources to build on knowledge.	5.C. Apply systems thinking to understand the interaction and influence of related parts on each other, and on outcomes.	5.D. Use evidence and reasoning to justify claims.	5.E. Develop and use models to explain phenomena.	5.F. Use technology to support and enhance the critical thinking process
Kindergarten	U.3, U.6, Art.K-2.8		Art.K-2.7			
1st Grade	Art.K-2.8		U.7, U.8, Art.K-2.7	U.6		
2nd Grade	U.8; Art.K-2.8		U.7; Art.K-2.7			
3rd Grade		U.8		U.6, Art.3-5.2	Art.3-5.5	
4th Grade				Art.3-5.2	U.2; Art.3-5.5	U.4
5th Grade				U.2, Art.3-5.2	U.5, U.7, Art.3-5.5, Art.3-5.7	
6th Grade	M.6.2; ELA.6.2, SS.6.1, SS.6.7	M.6.5, S6.8; ELA.6.5	M.6.6; ELA.6.6	S6.1, S6.6, Art.6-8.6, SS.6.6, SS.6.3	S6.4	
7th Grade		SS.7.4, SS.7.7		S7.1; Art.6-8.6, SS.7.3	M.7.1; S7.6, S7.7; ELA.7.1	SS.7.5
8th Grade	M.8.6; ELA.8.6	S8.4; Art.6-8.8, SS.8.4,	M.8.4; ELA.8.4	S8.1, Art.6-8.6, SS.8.2		M.8.1, SS.8.5
9th Grade	M.9.3, SS.9.2, SS.9.7	S9.4	M.9.1; M.9.4, S9.5; ELA.9.5	M.9.7, S9.3, Art.9-12.2, ELA.9.3, SS.9.5	M.9.5	
10th Grade		S10.5; ELA.10.5, SS.10.4, SS.10.7	M.10.1; S10.2; ELA.10.2	ELA.10.8, Art.9-12.2, SS.10.3		SS.10.5
11th Grade	SS.11.1, SS.11.8	S11.3; ELA.11.3; ELA.11.5	M.11.2; ELA.11.4	S11.2; ELA.11.6, Art.9-12.2, SS.11.4	S11.6; Art.9-12.5	SS.11.2

12th Grade	M.12.5, S12.3	ELA.12.4, SS.12.3	M.12.2; ELA.12.7, SS.12.5	S12.4; ELA.12.1, Art.9-12.2	M.12.8; Art.9-12.7	M.12.4, SS.12.1
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