FORM

Language	Mathematics	Science
Language	**Mathematics**	**Science**
‣ What are the ways stories can be told?	‣ What is a pattern?	‣ What does it feel like?
‣ What are the parts of a book?	‣ How can we describe these shapes?	‣ Where do we get the food we eat?
‣ What languages do we use at our school?	‣ What is a fraction?	‣ If the earth were cut in half what would it look like?
‣ What makes this language unique?	‣ How can we describe time?	‣ What are the parts of an ecosystem?
Social Studies	**PSE**	**PE**
‣ What kind of work do people do?	‣ Which important decisions have you made in the past?	‣ What is this movement like?
‣ What are the main occupations of people living in our town?	‣ Who works in the school and what do they do?	‣ What different shapes can you make on the floor using your body?
‣ What is the landscape like?	‣ What are responsibilities?	‣ What are the basic rules in this event or game?
‣ What is a map?		
Drama	**Music**	**Visual Art**
‣ What was the performance about?	‣ What makes a song a folk song?	‣ Why have you chosen that material or tool?
‣ How might this character move?	‣ What sounds do you hear in this music?	‣ How would you describe the way the elements of art have been used in this painting?
‣ What feelings can we express through drama?	‣ What instruments make up an orchestra?	

form

FUNCTION

Language	Mathematics	Science
Language	**Mathematics**	**Science**
‣ What part does literature play in the development of a culture?	‣ How does the scale on a graph work?	‣ What can you use shadows for?
‣ Why do we name things?	‣ What happens if we keep adding?	‣ How do seeds fit into the growth cycle of plants?
‣ How do languages work?	‣ What are shapes used for?	‣ How is air being used around us?
‣ How do the pictures and the text work together?	‣ How can we record time?	‣ What do reservoirs and purification plants do?
Social Studies	**PSE**	**PE**
‣ What rules of behavior did people adopt?	‣ How do rules help us to play?	‣ How do we collect and record results?
‣ How have people adapted to living here?	‣ How are minority groups treated by society?	‣ How do you score points in your game?
‣ How do people celebrate?	‣ Who works in the school and what do they do?	‣ How does this movement work?
‣ What happens to waste?		
Drama	**Music**	**Visual Art**
‣ How can you show what you are feeling?	‣ What sounds can you make with that instrument?	‣ How can you show yourself feeling angry / happy / sad / frightened?
‣ How can you create the sounds of the beach using your voice?	‣ What does this sign or this symbol tell us to sing?	‣ How is color used in advertising?

function

FORM
What is it like?

Everything has a form with recognizable features that can be observed, identified, described, and categorized.

Properties, structure, similarities, differences, pattern.

FUNCTION
How does it work?

Everything has a purpose, a role, or a way of behaving that can be investigated.

Behaviour, communication, pattern, role, systems.

Causation

Language	Mathematics	Science
‣ What part does language play in cultural identity? ‣ Why did the author write the story the way it is? ‣ Why does the same language develop differently in different places?	‣ Why is a block the best shape for building a tower? ‣ Why do some calculations produce patterns? ‣ How was the place value system developed?	‣ How can you make a shadow? ‣ Why are foods processed? ‣ How are houses around the world constructed to suit the local climate? ‣ What causes the universal changes that occur in puberty?
Social Studies	**PSE**	**PE**
‣ What motivates groups to act as they do? ‣ What causes certain cultures to disappear? ‣ How do conflict and resolution shape society?	‣ How do you feel when things do not work out the way you thought they would? ‣ What makes you comfortable? ‣ What are things that can harm your body?	‣ What is this movement like? ‣ What different shapes can you make on the floor using your body? ‣ What are the basic rules in this event or game?
Drama	**Music**	**Visual Art**
‣ Why did the characters behave in this way? ‣ Who was your favorite character and why?	‣ Why is a steady beat important in and ensemble performance? ‣ What culture do you think this music comes from?	‣ Why do you think this piece of art has been made? ‣ Why do you think people visit art galleries? ‣ Why does street art occur? *Causation*

Change

Language	Mathematics	Science
‣ How have languages changed historically? ‣ How do we use language differently as we grow? ‣ How have other languages and cultures changed our language?	‣ How can we convert from the 12 hour to 24 hour clock? ‣ How can you change one quadrilateral into another? ‣ What do all patterns have in common?	‣ How do plants change as they grow? ‣ How do our bodies change over time? ‣ In what way does the air differ from place to place, over time?
Social Studies	**PSE**	**PE**
‣ In what ways doe the built environment result from the natural environment? ‣ What is the role of technology in shaping society? ‣ What factors cause migration?	‣ What could you change about the way you work with others? ‣ How have you changed since you were a baby? ‣ What could you change in life to be more balanced?	‣ What changes when you exercise? ‣ How can you make yourself into a different shape? ‣ What modifications can you make to traditional games?
Drama	**Music**	**Visual Art**
‣ How can constructive criticism improve your performance? ‣ How does the story begin, develop, and end?	‣ What would happen to a song if the tempo went from allegro to largo? ‣ How is a musical variation different from a theme?	‣ Why and how do fashions change over time? ‣ How has social media influenced artistic practice? *Change*

CAUSATION
Why is it like it is?

Things do not just happen. There are causal relationships at work and actions have consequences.

Consequences, sequences, pattern, impact.

CHANGE
How is it changing?

Change is the process of movement from one state to another. It is universal and inevitable.

Adaptation, growth, cycles, sequences, transformation

Connection

Language	Mathematics	Science
• What are the similarities and differences between languages? • What are the origins of names? • How are storytelling traditions linked to culture? • How do our experiences allow us to connect with stories?	• How can you use fractions to explain musical notation? • How are 3+4 and 4+3 connected? • How is area connected to perimeter?	• What link is there between time of day and the size of shadow? • What are the similarities and differences between your local ecosystem and a larger ecosystem you have studied?
Social Studies • What, if any, connections exist between society then and today? • How have natural disasters effected the lives of people? • What kinds of beliefs and values encourage connections?	**PSE** • What can we learn by playing? • How is our classroom like a home? • How are rights and responsibilities connected?	**PE** • What differences are there between running for speed and running for distance? • How can you work as a group to achieve a common aim? • How can your body movements show emotions?
Drama • How is watching a live show different and/or similar to watching television? • How can we find out about our past through stories?	**Music** • How does the size of the instrument relate to the pitch of the instrument? • In what types of celebrations would you hear music?	**Visual Art** • How does art help us to celebrate? • What do the colors and shapes remind you of?

Connection

Perspective

Language	Mathematics	Science
• How could knowledge of a language help us understand their culture? • Why do some books become bestsellers? • Which language do you think is easiest to learn?	• Are there different ways of explaining this? • How do people calculate in different cultures? • What would make the game fair to all players?	• What can you use shadows for? • How do seeds fit into the growth cycle of plants? • How is air being used around us? • What do reservoirs and purification plants do?
Social Studies • How do people decide who they want as a leader? • What might my lifestyle be if I lived in another culture? • Why do people have different points of view on environment?	**PSE** • What is easy/difficult about working together? • How can we understand other people's point of view and have them understand ours? • How are birthdays celebrated?	**PE** • What kind of balance equipment do you like to use and why? • What can help you to improve your performance in this event or game?
Drama • Which character did you identify with and why? • How do you think that character is feeling now?	**Music** • Which instruments would you choose to play this pattern or song with and why? • How does this music make you feel?	**Visual Art** • How do you think this flower would look if you were the size of an ant? • How does someone's culture influence the work they produce?

Perspective

CONNECTION
How is it connected to other things?

We live in a world of interacting systems in which the actions of any individual element affect others.

Systems, relationships, networks, homeostasis, interdependence.

PERSPECTIVE
What are the points of view?

Knowledge is moderated by perspectives. Different perspectives lead to different interpretations, understandings and findings. Perspectives may be individual, group, cultural or disciplinary.

Subjectivity, truth, beliefs, opinion, prejudice.

Responsibility grid

Language	Mathematics	Science
‣ How can the use of language influence people? ‣ How should we treat people who speak different languages? ‣ Why are there some books or websites that we are not allowed to read?	‣ What makes your answer reasonable? ‣ Why the measurement need to be accurate? ‣ How have you collected all the relevant data?	‣ What things should we do to care for our classroom plants? ‣ How can we not waste water? ‣ What should we do to be healthy? ‣ What factors do you need to consider when designing a car?
Social Studies	**PSE**	**PE**
‣ Why should we care about the past? ‣ What does it mean to be a World Citizen? ‣ What rights should all children have? ‣ How is conflict resolved?	‣ What can we do to help us stay safe? ‣ How can you be a responsible member of a group? ‣ What rights and responsibilities do I have as I grow and change?	‣ How can you use the ideas and skills of everyone? ‣ How can you move safely around the space? ‣ Why do you need to warm up before exercising?
Drama	**Music**	**Visual Art**
‣ In what ways can you help the group complete the task? ‣ What did you feel when you were playing that character?	‣ What can each musician in a group do to make a good performance? ‣ How can we look after this instrument?	‣ Who do you need to speak to and involve in this project? ‣ Which materials do you think can be recycled into art? Why? ‣ How do I care for the art room? **Responsibility**

Reflection grid

Language	Mathematics	Science
‣ What kind of messages do authors try to convey to readers? ‣ Have I "painted a pictures with words" in my story? ‣ Do illustrations add to understanding?	‣ How do you know you are correct? ‣ Which way works best? Why? ‣ Why are our estimates realistic? ‣ What could you do differently if you repeated the survey?	‣ What do you think happens to your body during exercise and after exercise? ‣ How has space exploration influenced our daily lives?
Social Studies	**PSE**	**PE**
‣ What makes one historical resource better than another? ‣ What stereotypes do we have about this place? ‣ Which primary sources have we used to gather data?	‣ How do we identify potentially unsafe situations? ‣ How do I know I am growing and changing? ‣ How have you been influenced by your family story?	‣ How can you evaluate your performance? ‣ Why is it necessary to create a space in a dance? ‣ How would you change the rules of the game?
Drama	**Music**	**Visual Art**
‣ How can you show what you have learned? ‣ How can we solve a problem when we have different points of view?	‣ Did you make a good choice of instruments or sounds sources for your piece? Why or why not? ‣ Why is the tempo of this song appropriate for the mood and the words of the piece?	‣ Are these materials the best ones for your task and why? ‣ What makes an interesting design? ‣ How do you know it is art? **Reflection**

RESPONSIBILITY

What is our responsibility?

People make choices based on their understandings and the actions they take as a result do make a difference.

Rights, citizenship, values, justice, initiative.

REFLECTION

How do we know?

There are different ways of knowing. It is important to reflect on our conclusions, to consider our methods of reasoning, and the quality and reliability of the evidence we have considered.

Review, interpretation, evidence, responsibility, behaviour.