KiDE SCIENCE
POWERED BY ACCELERATE LEARNING

Standards Correlations

Michigan Early Childhood Standards of Quality

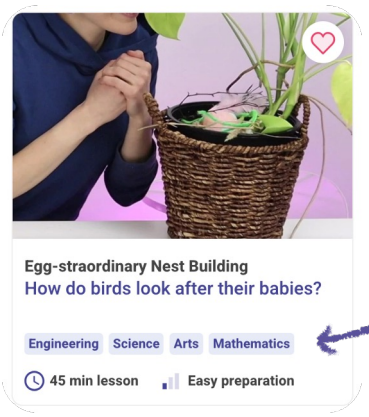
3-5 Year Olds

About Us

Our activities are story-based inquiries—creating playful scenarios in your classroom.

In every single lesson, children advance crucial science-process skills (also known as inquiry skills):

- **Observation**
- **Classification**
- **Communication**
- **Measurement**
- **Predication**
- **Interpretation**
- **Conclusion**



In addition to these scientific inquiry skills, each lesson supports many other skills, including technological, social-emotional, linguistic, mathematical and movement skills.

We really are cross-curricular.

See our other standards documents for more details.

How Kide Science Supports the Michigan Early Childhood Standards of Quality

In this document, we will show you:

1. **A summary** of how we support the **Michigan ECSQ (3-5 years)***
   - in particular the science domain
   - then all other domains

2. **Suggested Kide activities** for the relevant indicators within each domain

**Using 2022 revised Early Childhood Standards of Quality for Birth to Kindergarten, Michigan State Board of Education*

NOTE: Kide Science lessons are written with a range of abilities/ age groups in mind.

- Each lesson can be used with children aged 3–8
- Use our adaptation tips to personalize each lesson

Something missing?

If you have other curriculum requirements, don't hesitate to contact us at info@kidescience.com.

See how many of your Early Learning in Science guidelines we support!

The main focus of our program is to develop inquiry skills, by investigating science topics in play-based ways.

For specific lesson recommendations, see our more detailed pages later on this document.

DOMAIN	We have lesson recommendations for:
Science	100% of the indicators for the domain
Scientific Thinking	4/4 indicators
Physical Science	3/3 indicators
Earth Science	3/3 indicators
Life Science	3/3 indicators

See how many of your learning goals we support!

We develop inquiry skills **across many areas of learning**. Therefore, we support the goals for many of the domains, as shown below. For our specific lesson recommendations, see the following learning goal pages.

DOMAIN	We have lesson recommendations for:
Approaches to Play and Learning	**100% of the indicators for the domain**
Curiosity and Flexibility	**3/3indicators**
Play and Imagination	**3/3 indicators**
Initiative, Persistence, and Problem-Solving	**5/5 indicators**
Self-Regulation	**3/3 indicators**
Social and Emotional Development	**100% of the indicators for the domain**
Self-Awareness	**2/2 indicators**
Self-Management	**2/2 indicators**
Social Awareness	**3/3 indicators**
Relationship Skills	**4/4 indicators**
Responsible Decision-Making	**2/2 indicators**
Creative and Expressive Arts	**100% of the indicators for the domain**
Self-Expression	**3/3 indicators**
Supporting Skills	**3/3 indicators**
Artistic Appreciation	**2/2 indicators**

DOMAIN	We have lesson recommendations for:
Physical Development and Health	**84% of the indicators for the domain**
Body Awareness	**6/6 indicators**
Large Motor	**3/3 indicators**
Fine Motor	**3/3 indicators**
Personal Care and Hygiene	**4/4 indicators**
Nutrition	**0/3 indicators**
Communication, Language and Early Literacy Development	**75% of the indicators for the domain**
Receptive Language	**2/2 indicators**
Expressive Language	**3/3 indicators**
Communication Skills	**2/2 indicators**
Concepts of Print	**2/3 indicators**
Alphabetic Knowledge	**0/2 indicators**
Phonological Awareness	**0/2 indicators**
Comprehension	**2/2 indicators**
Writing	**4/4 indicators**
Mathematics	**88% of the indicators for the domain**
Mathematical Thinking	**3/3 indicators**
Number Sense	**4/4 indicators**
Geometry and Spatial Sense	**2/3 indicators**
Algebraic Thinking	**1/2 indicators**
Measurement	**3/3 indicators**
Collecting and Organizing Information	**2/2 indicators**

DOMAIN	We have lesson recommendations for:
Engineering and Technology	**78% of the indicators for the domain**
Creativity and Critical Thinking	**3/3 indicators**
Communication and Collaboration	**2/2 indicators**
Exploration and Information	**2/2 indicators**
Responsibility with Technology	**0/2 indicators**
Social Studies	**40% of the indicators for the domain**
Self, Family, and Belonging	**1/4 indicators**
Community and Contribution	**1/3 indicators**
Time, Place, and the Environment	**2/3 indicators**

Lesson Recommendations

Science

In Michigan, teachers are encouraged to provide a variety of opportunities for children to use active hands-on experiences. This fosters children's natural curiosity and develops scientific skills as they explore the world around them.

We couldn't agree more! This is the focus of Kide Science: to develop inquiry skills through scientific topics, in play-based ways.

Therefore, we correlate with 100% of the Michigan Science Indicators, and you can find our lesson suggestions for each indicator below.

We either **support** the specific objectives (✓) or we are **working towards** them (↗).

Goal 1 Scientific Thinking:
Children explore and demonstrate curiosity about the world around them.

Indicators			Kide Activity Suggestions
✓	1a.	Observe and investigate their environment using scientific thinking, scientific vocabulary, and the scientific method.	All lessons
✓	1b.	Explore cause-and-effect relationships.	Most lessons, e.g: Hair Standing on End Growing Dino Dough Dilemma Magical Milk
✓	1c.	Observe, compare, and classify objects and information.	Most lessons, See especially our observation-, and classification -bundles
✓	1d.	Communicate and/or record observations, questions, and predictions about their environment.	All lessons, and for predictions, see our predictions-bundle

Goal 2 Physical Science:
Children show a growing understanding of the scientific principles of physical science.

Indicators			Kide Activity Suggestions
✓	2a.	Explore and compare the ways objects move, including their speed, direction, and duration of movement.	Egg-straordinary Nest Building A frantic fall Stop and go Where are you Hoseli? Force of the Wind
✓	2b.	Explore and observe the states of matter (liquids, solids, gasses) in their environment.	Operation Ice Rescue Cloudy Skies Hoseli's Instant Sorbet A Freezing Surprise Hoseli's Creaky Knees
✓	2c.	Observe and explore light and sound.	Light e.g: Spooky Shadows Pi Hiding Upside Down A Colorful Arc Sound e.g: Make Some Music Hello, Is Anybody Out There? Eggy Mystery Happy heartbeat

Goal 3 Earth Science:
Children show a growing understanding of the scientific principles related to the earth.

Indicators			Kide Activity Suggestions
✓	**3a.**	Explore and recognize a variety of earth materials in their community (soil, rocks, water, etc.) and their observable properties.	Summer sandcastles From seed to plant What Makes a Living Thing?
✓	**3b.**	Recognize and identify different weather conditions and the ways weather can impact their lives.	See Kelvin's Weather Adventure - collection
✓	**3c.**	Recognize and make connections between the seasons and their observable characteristics.	See our Seasonal Lessons - collection, and Kelvin's Weather Adventure – collection

Goal 4 Life Science:
Children show a growing understanding of scientific knowledge related to living and non-living things.

Indicators			Kide Activity Suggestions
✓	4a.	Explore, observe, notice, and describe a variety of plants and animals in their community, and their life cycles.	Habitat Hunting Hiding in Plain Sight Busy Bees From seed to plant Beehive Breathing Leaves
✓	4b.	Observe and explore the habitats of a variety of plants and animals in their community (such as wooded areas, parks, lakes, and streams).	Many possibilities to develop this through our Outdoor Lesson Bundle
✓	4c.	Observe, describe, and compare the differences between living and non-living things.	What makes a Living Thing?

Lesson Recommendations

Approaches to Play and Learning

We correlate with 100% of the Approaches to Learning Standards.

Kide Science's approach is based on the same notion mentioned in the Michigan Early Learning and Development Standards: "*Children are naturally curious, creative, and playful*".

Approaches to learning are at the very heart of what we do at Kide Science. Our aim is to create the next generation of critical thinkers, so every single one of our lessons gives children the opportunity to build the positive attitudes, skills and learning processes specified in the Michigan Indicators, in order to build lifelong learners.

See our specific lesson suggestions below.

We either **support** the specific objectives (✓) or we are **working towards** them (↗).

Goal 1 Curiosity and Flexibility:
Children learn about themselves and the world around them through purposeful play.

Indicators			Kide Activity Suggestions
✓	1a.	Use play to interpret and understand the world around them.	All lessons
✓	1b.	Explore, investigate, and ask questions about the world around them.	
✓	1c.	Reconstruct their ideas about the world around them based on new thoughts and information.	

Goal 2 Play and Imagination:
Children demonstrate increasingly complex play styles.

Indicators			Kide Activity Suggestions
✓	2a.	Initiate, join, and take turns in play with others.	All lessons
✓	2b.	Demonstrate imagination and creativity in their play.	
✓	2c.	Propose and explore possibilities for how things work, what they might do, or what they might be.	All lessons especially from our our Engineering bundle

Goal 3 Initiative, Persistence, and Problem-Solving:
Children engage in explorations and interactions with confidence.

Indicators			Kide Activity Suggestions
✓	3a.	Express and share their own interests, ideas, or opinions freely.	All lessons
✓	3b.	Show an increasing ability to maintain concentration, persist in, and complete a variety of tasks.	
✓	3c.	Set aside fear of failure when beginning a new or challenging task.	
✓	3d.	Identify when to seek support with a challenging task.	
✓	3e.	Demonstrate a growing capacity to make meaning, find a solution, or figure something out.	

Goal 4 Self-Regulation:
Children develop an increasing ability to manage their emotions and behaviors.

Indicators			Kide Activity Suggestions
✓	4a.	Manage the ways they express difficult or strong emotions.	See especially our Pikkuli-bundle
✓	4b.	Manage their actions and the ways they communicate, increasingly referring to their previous experiences.	These can be practiced through all of our lessons
✓	4c.	Consider another's perspective in their learning and interactions.	Good opportunities across all lessons

Lesson Recommendations

Social and Emotional Development

We either **support** the specific objectives (✓) or we are **working towards** them (↗).

Goal 1 Self-Awareness:
Children recognize and value their own individuality, emotions, and strengths.

Indicators			Kide Activity Suggestions
✓	1a.	Demonstrate awareness of and recognize the value of their personal traits, including their strengths and interests.	Hoseli's Googly Eye Mystery Peculiar Creatures of the Forest Welcome to Supraland Fruity Surprise Journey into Imagination What's Your Superpower?
✓	1b.	Demonstrate willingness to explore independently and try new things.	All lessons

Goal 2 Self-Management:
Children recognize the connections between their emotions and reactions and begin to control their impulses in different situations.

Indicators			Kide Activity Suggestions
✓	2a.	Express their emotions freely, and begin to identify and manage those emotions, with support from familiar adults.	See especially our Pikkuli-bundle
✓	2b.	Demonstrate flexibility and an increasing ability to adapt to changes and setbacks.	All lessons

Goal 3 Social Awareness:
Children demonstrate a growing ability to show care and understanding for the way other people feel, and begin to recognize that people may think, feel, and experience things differently from each other.

Indicators			Kide Activity Suggestions
✓	3a.	Recognize other people's emotions and respond with care, sensitivity, and later empathy.	All lessons, especially in our Pikkuli-bundle
✓	3b.	Recognize and respond to social cues.	All of these skills can be developed through every single one of our lessons, especially those in our Collaboration bundle
✓	3c.	Demonstrate an understanding that the diverse community of people around them have unique strengths and experiences to share and should be treated with respect.	

Goal 4 Relationship Skills:
Children interact and communicate to form deep, caring connections, friendships, and other relationships, and to manage conflict.

Indicators			Kide Activity Suggestions
✓	4a.	Demonstrate healthy attachment to and trust in familiar adults in their lives.	All lessons
✓	4b.	Demonstrate an ability to initiate and sustain interactions and communication with others, primarily in their home language.	All lessons, see especially our Communication bundle
✓	4c.	Develop and maintain deep, caring connections, friendships, and other relationships with people of various cultures, family structures, home languages, racial identities, genders and gender identities, abilities and disabilities, religious beliefs, and socio-economic classes.	All lessons
✓	4d.	Express disagreement and begin to manage conflict in safe, developmentally appropriate ways.	All lessons

Goal 5 Responsible Decision-Making:
Children demonstrate an awareness of the ways their choices and actions may impact the emotional and physical well-being of themselves and others.

Indicators			Kide Activity Suggestions
✓	5a.	Begin to make choices that reflect their understanding of fairness and unfairness, as well as the boundaries and expectations of various situations.	All lessons
✓	5b.	Show a desire to positively participate in their community (family, learning environment, school, community) through showing care and consideration for others.	especially see our Collaboration bundle

Lesson Recommendations

Physical Development and Health

Michigan states that "*children are naturally curious about their bodies and what they can do. Adults in caregiving roles support, encourage, and extend that curiosity through positive and playful interactions.*"

Sound familiar? Kide's playful lesson plans provide those positive interactions and embrace children's curiosity. We have a selection of lessons which develop crucial inquiry skills through physical and health-related topics. See below how these lessons support the Michigan goals.

We either **support** the specific objectives (✓) or we are **working towards** them (↗).

Goal 2 Large Motor:
Children explore and begin to develop skill in using their large muscles.

Indicators			Kide Activity Suggestions
✓	2a.	Develop strength and stamina in their large muscles through repeated use.	Movement activity bundle
✓	2b.	Explore and develop more precise control over their large muscle movements, including moving in rhythmic patterns as well as using their muscles to move objects in their environment with increasing coordination.	Lava Pond Stop and Go Space Adventure Party Robot
✓	2c.	Use their large muscles for stationary and traveling movements, such as sitting upright, walking, climbing, rolling a wheelchair or walker, etc.	Movement activity bundle

Goal 3 Fine Motor:
Children explore and begin to develop skill in using their small muscles.

Indicators			Kide Activity Suggestions
✓	3a.	Explore and develop more precise control over the movements of their tongue and facial muscles.	Hoseli's Googly Eye Mystery Using the emotion cards in our Pikkuli-bundle
✓	3b.	Explore and develop more strength and precise control over their hands and fingers.	Many lessons, for example: Make It Rain Finding Dinosaur Fossils Colorful Drawing Book Rainbow (activity B) Beehive Spooky Shadows
✓	3c.	Develop more precise hand-eye coordination.	

Goal 4 Personal Care and Hygiene:
Children recognize and practice the ways they can support and advocate for their own needs and the safety of themselves and others.

Indicators			Kide Activity Suggestions
✓	4a.	Begin to understand the connections between physical activity, hygiene, nutrition, emotional wellness, and physical health.	See especially the 'Ourselves' bundle
✓	4b.	Become aware of ways they can prevent the spread of germs and illnesses, and begin to identify and manage some symptoms of illness.	Germs in Hiding
✓	4c.	Demonstrate increasing awareness of safe boundaries and safety routines.	Excellent opportunities across all lessons, especially Stop and Go Fruity Surprise
✓	4d.	Show increasing ability to perform self-care routines and tasks.	Excellent opportunities across many lessons inc. Germs in Hiding Getting Dressed for Autumn Fruity Surprise A Celebration Meal

Lesson Recommendations

Communication, Language, and Early Literacy Development

Michigan Standards state that children's "*ability to communicate their own and understand others' expressions of needs, emotions, and ideas are necessary for developing relationships, living in society, and lifelong learning.*"

Well, it just so happens that the main focus of a Kide activity is to develop inquiry skills, one of which is communication! It is the foundation upon which all of the other inquiry skills are built: as children share their ideas and develop meaning together.

Also, Each of the Kide activities start with a story time to introduce a research problem. This shared story provides an excellent opportunity to practice listening skills, as well as setting a base for independent reading and writing skills.

On the following pages you can find a list of activity suggestions to practice these Communication, Language and Early Literacy Development skills.

We either **support** the specific objectives (✓) or we are **working towards** them (↗).

Goal 1 Receptive Language:
Children develop an understanding of language, beginning with their home language or dialect.

Indicators			Kide Activity Suggestions
✓	1a.	Demonstrate understanding of increasingly complex language, including non-verbal cues.	All lessons
✓	1b.	Follow increasingly complex directions.	All lessons

Goal 2 Expressive Language:
Children use language to express themselves to others, beginning with their home language.

Indicators			Kide Activity Suggestions
✓	2a.	Communicate using increasingly understandable language, including sounds, gestures, signs, words, and language expressed using assistive devices.	These skills can be supported through all lessons, especially from our Language bundle. See also our communication skill tracking sheet.
✓	2b.	Communicate using an expanding vocabulary.	
✓	2c.	Communicate using increasingly complex grammar and sentence structure.	

Goal 3 Communication Skills:
Children use social and conversational skills, beginning with their home language and cultural values.

Indicators			Kide Activity Suggestions
✓	3a.	Communicate with others for a variety of purposes.	All lessons
✓	3b.	Follow the social expectations of their personal cultural context when communicating with others.	All lessons

Goal 4 Concepts of Print:
Children construct meaning from text.

Indicators			Kide Activity Suggestions
✓	4b.	Demonstrate an understanding of print concepts.	This can be supported in every lesson, during the shared read of our story letter See also Secret Messages A Secret Friend (activity B) True Friends
✓	4c.	Understand that print and pictures communicate ideas that can be read/viewed and understood by others.	

Goal 7 Comprehension:
Children will interact with people and materials to increase their understanding of text.

Indicators			Kide Activity Suggestions
✓	7a.	Demonstrate reading-like behaviors with familiar text or print materials.	This can be supported in every lesson, during the shared read of our story letter
✓	7b.	Demonstrate an understanding of text.	

Goal 8 Writing:
Children will demonstrate emerging understanding of writing as a way to communicate.

Indicators			Kide Activity Suggestions
✓	8a.	Develop increasing control, strength, and coordination of small muscle groups.	Many lessons, for example: Make It Rain Finding Dinosaur Fossils Rainbow (Activity B) Beehive
✓	8b.	With guidance and support, explore a variety of writing tools and materials.	There are opportunities to mark make in every lesson. Encourage children to 'write' their findings down to communicate to characters. Especially in: Colorful Drawing Book Hoseli's Googly Eye Mystery The Many Sides of Black What makes a Living Thing (Activity B)
✓	8c.	Develop an understanding that writing is a way of communicating for a variety of purposes.	
✓	8d.	Show interest in using a variety of forms of early writing to convey meaning and represent sounds and words.	

Lesson Recommendations

Creative and Expressive Arts

We believe that inquiry skills can be developed and enhanced through a range of activities, including art.

In every single Kide activity, teachers encourage children to join them in an imaginative role as an investigator: trusting each other to help solve a problem, whilst practicing their self-expression. Then, children use the arts to communicate their findings in different ways.

We take the A in STEAM seriously, thus our lessons support ALL of the Michigan Creative and Expressive Arts expectations. See the lesson suggestions below.

We either **support** the specific objectives (✅) or we are **working towards** them (↗).

Goal 1 Self-Expression:
Children develop healthy self-concepts through creative self-expression that draws from their backgrounds, experiences, and identities.

Indicators			Kide Activity Suggestions
✅	1a.	Explore and experiment with the arts in increasingly creative ways to express themselves, with modifications as needed.	All lessons
✅	1b.	Explore and experiment with the arts through the lens of their personal cultural context and that of others.	
✅	1c.	Explore roles, express thoughts, and feelings, recreate experiences, and act out stories through the arts.	

Goal 2 Supporting Skills:
Children develop the skills that support self-expression through a variety of art forms.

Indicators			Kide Activity Suggestions
✅	2a.	Explore and develop increasing control over fine motor and large motor movements.	All lessons
✅	2b.	Explore, use, and begin to use artistic vocabulary to describe the tools, mediums, and components of the arts.	All lessons, espcially our Arts-bundle
✅	2c.	Plan and create works of art with increasing intentionality and detail.	

Goal 3 Artistic Appreciation:
Children develop preferences and appreciation for the arts.

Indicators			Kide Activity Suggestions
✓	3a.	Explore, recognize, and respond to similarities and differences between works of art, and the emotions, moods, situations, and cultures being expressed.	All lessons, espcially our Arts-bundle
✓	3b.	Express preferences within the arts.	

Lesson Recommendations

Mathematics

We strongly agree with Michigan's belief that "*Children are born mathematical thinkers and that problem-solving and understanding cause and effect begin in the earliest months of life.*" Consequently, each of our lessons begins with a problem to solve!

And whilst we might not have math-specific lessons, that's intentional too. We believe that maths problem solving must be interwoven through many different domains. We provide many varied experiences for children to "*build, modify, and integrate simple mathematical thinking and concepts*," as mentioned in Michigan's Math standards.

On the following pages you can find lesson suggestions to support those Math goals.

We either **support** the specific objectives (✓) or we are **working towards** them (↗).

Goal 1 Mathematical Thinking:
Children begin to develop processes and strategies for solving mathematical problems.

Indicators			Kide Activity Suggestions
✓	1a.	Explore and begin to make sense of their world through mathematical thinking and strategies.	Reasoning, measurement and problem solving appear through all lessons.
✓	1b.	Explore and begin to understand mathematical symbols and language in communicating their explorations and discoveries.	This can be embedded into many lessons, especially Lava Pond, A Secret Friend, Secret Messages (Activity A) Can also be supported with our Number Flashcards
✓	1c.	Develop an increasing ability to recognize mathematical problems in everyday situations at home and in the learning environment, and experiment to find possible solutions.	All lessons, especially in our measurement and counting bundles

Goal 2 Number Sense:
Children show a growing understanding of the concept of number and quantity.

Indicators			Kide Activity Suggestions
✓	2a.	**Counting**: Explore numbers and number vocabulary with increasing understanding of their relationship to quantity.	Lava Pond Sugary Problems A Secret Friend Hoseli's Journey (Activity B) It's Raining Secret Messages (Activity A)
✓	2b.	**Subitizing**: Recognize and name the quantity of objects in a group without counting.	This can be embedded into many lessons, e.g. as supplies are collected together. Other specific e.g.s: Lava Pond A Secret Friend Crab Walk
✓	2c.	**Comparing, Adding, and Subtracting Numbers**: Begin to understand numbers as sets to be compared, put together, and taken apart.	Kindergarten of Shape Creatures Crab Walk Floating Problems Mystical Magnets Hiding in Plain Sight Sugary Problems
✓	2d.	**Composing and Decomposing Numbers**: Begin to understand that numbers are made up of smaller numbers.	Sugary Problems A Secret Friend

Goal 3 Geometry and Spatial Sense:
Children show a growing understanding of shapes and spatial relationships.

Indicators			Kide Activity Suggestions
✓	3a.	Explore and begin to recognize the positional relationships between objects, their environment, and themselves.	A Celebration Meal Upside Down Where are you, Hoseli? Space Adventure A Floaty Drink Frantic Fall Friction on the Slopes Safe Landing Stop and Go
✓	3b.	Explore and begin to analyze two-dimensional and three-dimensional shapes and shape attributes.	Kindergarten of Shape Creatures Bubbles! Planning an Escape Egg-straordinary Nest Building Spooky Shadows Toy Troubles
↗	3c.	Investigate and begin to understand the concept of a whole and how it can be divided into two (or more) equal parts.	Peculiar Creatures of the Forest

Goal 4 Algebraic Thinking:
Children show a growing understanding of patterns, structures, and relationships in math.

Indicators			Kide Activity Suggestions
✓	4b.	**Ordering and Seriation:** Arrange objects in order according to changes in a specific attribute, such as size, length, number, color, etc.	See our classification bundle Especially: Growing Dino Balancing Problems From Seed To Plant

Goal 5 Measurement:
Children show a growing understanding of the concepts of quantifying and comparing.

Indicators			Kide Activity Suggestions
✓	5a.	Notice and recognize that things in their environment can be measured (length/height, weight, area, volume, temperature, time).	See our Measurement bundle
✓	5b.	Compare things in their environment and use the language of measurement (lighter, darker, long, longer, big, bigger, etc.) to describe them.	Most lessons, especially those in our classification bundle
✓	5c.	Use non-standard and standard tools and units of measurement.	See our Measurement bundle,

Goal 6 Collecting and Organizing Information:
Children begin to develop processes and strategies for classifying and using data.

Indicators			Kide Activity Suggestions
✓	6a.	Recognize and classify things in their environment.	All lessons. See especially our observation and classification bundles
✓	6b.	Sort things in their environment into groups based on attributes.	

Lesson Recommendations

Engineering and Technology

We agree with the Michigan standards stating that "*engineering and technological skills are more important than ever, as we are surrounded by technology, problems to solve, and the need for collaboration and critical thinking throughout our everyday lives.*"

Whilst we develop inquiry skills through STEAM activities (including engineering), our lessons also support children in developing multiliteracy skills; so that they can communicate their ideas in different ways. Of course, children can use digital tools to share their ideas, especially when reporting back their learning to one of our story characters!

However, at our core is the shared belief that "*technology in the learning environment should not be used in place of teacher- child or peer-to-peer interactions*."

We either **support** the specific objectives (✓) or we are **working towards** them (↗).

Goal 1 Creativity and Critical Thinking:
Children use tools (digital or non-digital) to learn, create, accomplish tasks, and solve problems.

Indicators			Kide Activity Suggestions
✓	1a.	Explore and experiment with different uses for the tools, objects, and materials in their environment.	See our Engineering activity bundle, for example: A Frantic Fall Toy Troubles Digging Up Dinosaurs Planning an Escape Summer Sandcastles Habitat Hunting Hoseli's Balloon Party Problem
✓	1b.	Learns from their experiments and experiences.	All lessons
✓	1c.	Recognizes real-world problems in their environment and begins to experiment with tools and other strategies to solve those problems.	All lessons

Goal 2 Communication and Collaboration:
Children use tools (digital or non-digital) to communicate and collaborate with others.

Indicators			Kide Activity Suggestions
✓	2a.	Explores tools for the purpose of communication or self-expression.	Getting dressed for Autumn Stop and Go Space Adventure Hello, Is Anybody Out There? Journey Into Imagination Where Are You, Hoseli? Hoseli's Googly Eye Mystery Why Don't You Fly, Pikkuli?
✓	2b.	Uses tools to work with others.	Hello, Is Anybody Out There? Puppy Playtime Habitat Hunting

Goal 3 Exploration and Information:
Children explore and interact with (digital or non-digital) tools and resources.

Indicators			Kide Activity Suggestions
✓	3a.	With adult support and supervision, explores (digital or non-digital) tools and resources to find information.	For non-digital tools, see for example: Optical Illusions (Activity b) Hoseli's Holidays: A Fallen Star
✓	3b.	Communicates about their experiences with (digital or non-digital) tools and resources.	For non-digital tools; see for example Cloudy Skies Spooky Shadows For communication through taking photos, see for example Summer Sandcastles

Lesson Recommendations

Social Studies

Michigan's standards suggest that "*children's awareness of themselves and as members of family, community and culture allows them to develop a positive view of themselves, as well as develop interest and empathy for others, learn how the world works and supports their growth toward becoming a contributing member of society.*"

And whilst the focus of Kide Science is mainly upon inquiring about our world, rather than families and histories, children will also learn more about their classroom community as they work together to solve our story problems. They will learn to share, take turns and to develop an awareness of different perspectives and preferences: all democratic skills needed for their future.

Here we provide a list of relevant lessons to support these standards.

We either **support** the specific objectives (✓) or we are **working towards** them (↗).

Goal 1 Self, Family, and Belonging:
Children understand and respect themselves and others as individuals and as members of a family, learning environment, and community.

Indicators			Kide Activity Suggestions
✓	1a.	Recognize themselves as unique individuals and become aware of the uniqueness of others.	What's your Superpower? What makes a Living Thing (Activity B) Party Robot Hoseli's Googly Eye Mystery True Friends Welcome to Supraland
↗	1c.	Demonstrate a growing sense of belonging across their home, their learning environment, and their community.	See for example Fruity Surprise True Friends Some of our lessons include home experiments to continue inquiries at home. Use them to build connections with families.
↗	1d.	Participate in the routines, customs, and traditions of their family and community, and develops an awareness of and respect for the ways these can differ across settings, families, and cultures.	Good opportunities to discuss these through: A Celebration Meal See also our Celebrations bundle

Goal 2 Community and Contribution:
Children recognize the value in the contributions they, their families, and others make to the community.

Indicators			Kide Activity Suggestions
✓	2b.	Develop a growing understanding of what people need to thrive and the ways people fill those needs.	For example, What makes a Living Thing True Friends Caring for a Pet Dog See also our Relationships activity bundle

Goal 3 Time, Place, and the Environment:
Children begin to understand their place and time in the broader world.

Indicators			Kide Activity Suggestions
✓	3a.	Explore and learn how to respectfully interact with nature.	Breathing Leaves See also our Outdoors activity bundle
✓	3b.	Begin to identify, and use location vocabulary to describe, places and physical features in their environment.	A Celebration Meal Planes, Trains and Hot Air Balloons Where are you, Hoseli? Northbound Welcome to Supraland