



Teaching with TinyTys™

Adding TinyTys™ to your day makes learning feel like play!

Hello Educators,

Introducing TinyTys™ into your curriculum will be seamless. Educators designed the TinyTys™ curriculum to be teacher-friendly with respect for your time and expertise.

The curriculum presents pre-planned lessons, aligned to the prevailing standards in education today: Common Core State Standards (CCSS), Science, Technology, Engineering, and Math Standards (STEM), Next Generation Science Standards (NGSS) and International Society for Technology in Education Standards (ISTE). Complete with supplementary handouts and extensions for accelerated students, the lessons flex to your existing plans: collectively, use the curriculum as an enrichment week, treating your students to a TinyTys™ lesson per day based on a different content-area block - or individually, implement the lessons - surprising your students with a colorful change in routine based on unit goals.

Whether you lesson-plan based on national standards or based on your class content-area blocks, access each TinyTys™ lesson using the appropriate teacher-friendly chart. Additionally included is a TinyTys™ lesson plan template; you're sure to be inspired by TinyTys'™ potential to engage your students in future lessons, designed by you.

Enjoy. When you add TinyTys™ to your day, it makes learning feel like play.

Sincerely,

The TinyTys™ Teachers

Curriculum Developed By: Education Enhancers DBA

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For more information, visit TinyTys.com/Education
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Each Lesson and Level of Difficulty

"Out of the Box" Lesson - This lesson is intended to motivate and excite students about using TinyTys for future learning. The lesson also minimizes teacher preparation tasks for future implementation of the TinyTys™ curriculum throughout the year.

LEVEL 1- Knowledge, Skill, Concept

LEVEL 2- Strategic Thinking

LEVEL 3- Extended Thinking

LEVEL 1 Lessons:

*Out of the Box (Science)

Word Bank (ELA)

Shapes and Counting (Math and Science)

Pet Collar (Technology and ELA)

LEVEL 2 Lessons:

Addition and Subtraction w/ Bangle and Tiny (Math)

Tiny Makes 10 (Math)

Patterning (Math)

Measuring with Tiny Tys™ (Math)

LEVEL 3 Lessons:

How to Make a.... (ELA)

Reuse and Repurpose (Science)

Gift for a Character (ELA)



Content-Area Block Planning

Difficulty Levels (DL):

1-Skill/Concept 2-Strategic Thinking 3-Extended Thinking

Content Area Focus	TinyTys Lesson (with DL)
Mathematics Geometry Counting and Cardinality Measurement and Data Operations and Algebraic Thinking	<p style="text-align: center;">DL 1</p> <p style="text-align: center;">TinyTys™ Word Bank TinyTys™ Shapes and Counting</p> <p style="text-align: center;">DL 2</p> <p style="text-align: center;">TinyTys™ Adding and Subtracting with “Tiny” and “Bangle” TinyTys Tiny Makes 10 TinyTys™ Measuring with TinyTys™ TinyTys™ “Patterning and Attributes”</p> <p style="text-align: center;">DL 3</p> <p style="text-align: center;">TinyTys™ Gift for a Character</p>
Language Arts Reading Informational Reading Literature Explanatory Writing Speaking and Listening	<p style="text-align: center;">DL 1</p> <p style="text-align: center;">TinyTys™ Word Bank TinyTys™ Pet Collar</p> <p style="text-align: center;">DL 3</p> <p style="text-align: center;">TinyTys™ How To Make a... TinyTys™ Gift for a Character TinyTys™ “Reuse and Repurpose”</p>
Engineering/Technology Critical Thinking, Problem Solving, and Decision-Making Creativity and Innovation Engineering and Design Technology Operations, Communication and Collaboration	<p style="text-align: center;">DL 1</p> <p style="text-align: center;">TinyTys™ Out of the Box TinyTys™ Shapes and Counting TinyTys™ Pet Collar</p> <p style="text-align: center;">DL 2</p> <p style="text-align: center;">TinyTys™ Adding and Subtracting with “Tiny” and “Bangle” TinyTys Tiny Makes 10 TinyTys™ Measuring with TinyTys™ TinyTys Patterning and Attributes</p> <p style="text-align: center;">DL 3</p> <p style="text-align: center;">TinyTys™ How To Make a... TinyTys™ Gift for a Character</p>
Science Physical Properties and Change Structures and Properties	<p style="text-align: center;">DL 1</p> <p style="text-align: center;">TinyTys™ Out of the Box TinyTys™ Shapes and Counting</p> <p style="text-align: center;">DL 2</p> <p style="text-align: center;">TinyTys Patterning and Attributes</p> <p style="text-align: center;">DL 3</p> <p style="text-align: center;">TinyTys™ “Reuse and Repurpose”</p>



Depth of Knowledge DOK: Levels 1, 2, 3 & 4

DOK: Depth of Knowledge Levels- Recall, Skill/Concept, Construction/Design & Strategic/Extended Thinking embedded throughout lessons

Standards-Based Planning Table:

CCSS:Common Core State Standards	Aligned STEM: Science, Technology, Engineering, Math	NGSS:Next Generation Science Standards	ISTE: International Society for Technology in Education
Language Arts	Science "Out of the Box"	Science Kindergarten	Creativity and Innovation
<ul style="list-style-type: none"> • Reading Literature • Reading Informational Text • Writing • Speaking and Listening 	<ul style="list-style-type: none"> • Physical Science • Technology 	<p>K.Forces and Interactions: Pushes and Pulls</p> <p>K.Interdependent Relationships in Ecosystems: Animals, Plants, and Their Environment</p> <p>K.Weather and Climate</p> <p>K-2.Engineering Design</p>	<p>a. Apply existing knowledge to generate new ideas, products, or processes</p> <p>b. Create original works as a means of personal or group expression</p> <p>c. Use models and simulations to explore complex systems and issues</p> <p>d. Identify trends and forecast possibilities</p>
Mathematics	Mathematics	Science First Grade	Communication and Collaboration
<ul style="list-style-type: none"> • Counting and Cardinality • Operations and Algebraic Thinking • Measurement and Data • Geometry 	<ul style="list-style-type: none"> • Counting and Cardinality • Operations and Algebraic Thinking • Measurement and Data • Geometry 	<p>1.Waves: Light and Sound</p> <p>1.Structure, Function, and Information Processing</p> <p>1.Space Systems: Patterns and Cycles</p> <p>K-2.Engineering Design</p>	<p>a. Interact, collaborate, and publish with peers, experts, or others employing a variety of digital environments and media</p> <p>b. Communicate information and ideas effectively to multiple audiences using a variety of media and formats</p> <p>c. Develop cultural understanding and global awareness by engaging with learners of other cultures</p> <p>d. Contribute to project teams to produce original works or solve</p>



			problems
	Engineering	Science 2nd Grade	Critical Thinking, Problem Solving, and Decision-Making
	<ul style="list-style-type: none"> Engineering and Design 	2.Structure and Properties of Matter 2.Interdependent Relationships in Ecosystems 2.Earth's Systems: Processes that Shape the Earth K-2.Engineering Design	a. Identify and define authentic problems and significant questions for investigation b. Plan and manage activities to develop a solution or complete a project c. Collect and analyze data to identify solutions and/or make informed decisions d. Use multiple processes and diverse perspectives to explore alternative solutions



Lesson-Plan Template

Lesson:	Teacher:
Standards:	Lesson Objectives Materials
Content	Teacher/Anecdotal/Reflection Notes
Anticipatory Set	
Input Task Analysis	
Check for Understanding	



(Throughout Lesson)	
Guided Practice	
Independent Practice	
Extension	