

Town Lane Infant School Design and Technology (EAD) Long Term Overview – EYFS/F1/F2

2 Years	Focus	Knowledge and skills
<p><u>Autumn</u> <u>Materials/Mechanisms</u> <u>Vocabulary</u> Push Pull Down Up</p>	<ul style="list-style-type: none"> • Can explore different materials, using all their senses to investigate them • Explore different tools. • Make simple models 	<ul style="list-style-type: none"> • I like to use lots of different things like paint, paper, wool and material to make a picture.
<p><u>Spring</u> <u>Constructing various models</u> <u>Vocabulary</u> Build Join</p>	<ul style="list-style-type: none"> • Make simple models which express their ideas • Learning to construct, stacking blocks vertically and horizontally, making enclosures and creating spaces. 	<ul style="list-style-type: none"> • I can explore building toys, like bricks, and boxes.
<p><u>Summer</u> <u>Cooking and Nutrition</u> <u>Vocabulary</u> Mix Shake Roll</p>	<ul style="list-style-type: none"> • Develops own likes and dislikes in food and drink • Learning how to use a knife and fork. • Willing to try new food textures and tastes • Learn to follow rituals established for hand washing 	<ul style="list-style-type: none"> • I can explore the taste, smell, texture and feel. • I can explore familiar food products e.g. fruit and vegetables. • I can begin to stir, spread, knead and shape a range of food and ingredients.

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F1	Focus	Knowledge and skills
<p><u>Autumn</u> Mechanisms <u>Vocabulary</u> Join Build Make Strong</p>	<ul style="list-style-type: none"> •Joining pieces together to build and balance. •Uses tools for a purpose •Uses everyday materials to explore, understand and represent 	<ul style="list-style-type: none"> •I can dismantle things. •I am beginning to use drawings and key words to make products. •I am beginning to show fine motor skills and logical problem solving • I can begin to design using basic techniques. • I can start to build structures, joining components together. • I can look at simple hinges, wheels and axles. • • I can begin to use scissors to cut straight and curved edges and hole pinches to punch holes. •I can begin to explore using/ holding basic tools such as a saw or hammer.
<p><u>Spring</u> Cooking and Nutrition <u>Vocabulary</u> Food Cut Chop Mix</p>	<ul style="list-style-type: none"> •Uses tools for a purpose •Explore different materials freely, in order to develop their ideas about how to use them and what to make. •Make healthy choices •Be increasingly independent in meeting their own care needs, e.g. washing and drying their hands thoroughly 	<ul style="list-style-type: none"> • I can begin to develop a food vocabulary using taste, smell, texture and feel. • I can explore familiar food products e.g. fruit and vegetables. • I can stir, spread, knead and shape a range of food and ingredients. • I can begin to work safely and hygienically. • I can start to think about the need for a variety of foods in a diet.
<p><u>Summer</u> Vehicles/ Construction <u>Vocabulary</u> Cut Join Build Big Tall Together</p>	<ul style="list-style-type: none"> •Uses various construction materials, e.g. joining pieces, stacking vertically and horizontally, •Develop their own ideas and then decide which materials to use to express them. •Select and use activities and resources, with help when needed • Use one-handed tools and equipment, for example, making snips in paper with scissors. 	<ul style="list-style-type: none"> • I know how to construct with a purpose and safely • I know how to create recognisable representations of objects. • I know that different construction toys can be used to make new things that can be used in pretend play

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F2	Focus	Knowledge and skills
<p>Autumn Constructing various models <u>Construction Vocabulary</u> Build Make Strong Construct Design</p>	<ul style="list-style-type: none"> •Return to and build on their previous learning, refining ideas and developing their ability to represent them. •Create collaboratively sharing ideas, resources and skills. •Uses various construction materials, stacking vertically and horizontally, balancing, making enclosures and creating spaces 	<ul style="list-style-type: none"> • I can build structures, joining components together. •I can safely construct with a purpose and evaluate their designs. •I am able to safely construct with a purpose and evaluate their designs. •I can name different tools and techniques that •I can experiment with creating different things and to be able to talk about their uses. •I can identify and select resources and tools to achieve a particular outcome.
<p>Spring Mechanisms/Joining Threading <u>Vocabulary</u> Spin Fix Cut Join Materials Tools</p>	<ul style="list-style-type: none"> • Joins construction pieces together to build and balance. • Uses their increasing knowledge and understanding of tools and materials to explore their interests and enquiries and develop their thinking •Develop their small motor skills so that they can use a range of tools competently, safely and confidently • Understands that different media can be combined to create new effects. 	<ul style="list-style-type: none"> • I can create their design using basic techniques. • I can build structures, joining components together. • I can look at simple hinges, wheels and axles. • I can use technical vocabulary when appropriate. • I can use scissors to cut straight and curved edges and hole pinches to punch holes. •I can explore using/ holding basic tools such as a saw or hammer. •I can use adhesives to join material.
<p>Summer Cooking and Nutrition Ingredients Healthy Cook Taste Chop Cutting Bowl Knife Spoon</p>	<ul style="list-style-type: none"> •Manage their own personal hygiene needs. •Know and talk about the different factors that support their overall health and wellbeing such as regular physical activity and healthy eating • Uses their increasing knowledge and understanding of tools and materials to explore their interests and enquiries and develop their thinking •Develop their small motor skills so that they can use a range of tools competently, safely and confidently 	<ul style="list-style-type: none"> • I can use food vocabulary using taste, smell, texture and feel. • I can explore familiar food products e.g. fruit and vegetables. • I can stir, spread, knead and shape a range of food and ingredients. • I can work safely and hygienically. • I can think about the need for a variety of foods in a diet. • I can measure and weigh food items, non-statutory measures e.g. spoons, cups.