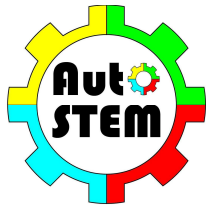


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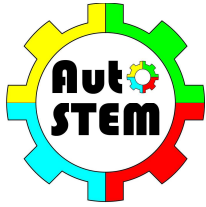
AutoSTEM lesson plan example 4

<i>Title of your project lesson</i>	Nature and birds
<i>The Children</i> <ul style="list-style-type: none"> • Age 	<i>7-8 years (2nd grade)</i>
<i>Learning Objectives</i>	<ul style="list-style-type: none"> • The movement of the wings in birds • To get familiar with different types of movement
<i>Automata to be constructed</i>	The Jelly Bird
<i>Resources</i>	Colored paper, scissors, cardboard, pencils, felt-tip pens
<i>Cross-curricular links</i>	Nature, mathematics, Bulgarian language, fine arts
<i>STEM content</i>	The children learn about the mechanism of flight in birds and get acquainted with birds way of life
<i>The script</i> <i>Expected project results</i>	<p>The children know about</p> <ul style="list-style-type: none"> • the structure of the wings of birds and • the concepts of migratory and wintering birds <p>through conversation, educational play and making a bird with moving wings.</p>
<i>Activity description, plan</i>	<ul style="list-style-type: none"> • Priority educational areas <ul style="list-style-type: none"> ○ Logical, mathematical and cognitive development. ○ Introduction of knowledge about the mechanism of flying in birds. <ul style="list-style-type: none"> ▪ Mathematical problems related to bird migration, ▪ life expectancy,



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	<ul style="list-style-type: none"> ▪ size / smaller, larger, many times larger ▪ rearing of young, etc. ○ Form an idea of wintering and migratory birds: <ul style="list-style-type: none"> ▪ deepen the understanding of the reasons for the birds leaving ▪ classify birds as wintering and migratory ○ develop logic, imagination and creativity of children. ● Educational area <i>Speech development</i>: <ul style="list-style-type: none"> ○ The development of coherent, grammatically correct dialogic and monologue speech, ○ the construction of a widespread sentence, ○ the enrichment of an active vocabulary, ○ the introduction of vocabulary “migratory birds”, “wintering birds”, ○ exercise in the selection of adjectives, ○ inspiring sensitivity to the poetic word. ○ Skills to distinguish between artistic and scientific text. ● Educational area <i>Artistic-aesthetic development</i>: <ul style="list-style-type: none"> ○ Development of aesthetic and spiritual-moral perception of beauty, ○ sense of rhythm, ○ caring attitude and love, ○ care for birds and the world around us. ● Development of fine motor skills by making a bird with moving wings ● Educational area <i>Social-communicative development</i>: <ul style="list-style-type: none"> ○ teamwork
<p><i>Criteria for assessment and self-assessment</i></p>	<p>The children are put in the role of scientists who study, analyse and summarise results. They make a product in which they can show creativity and go beyond the model.</p> <p>Through the model they learn many new things about the mechanism of flying.</p> <p>At the end of the class they will be enthusiastic and happy with the product. They present on their own initiative the flying of birds in summer, in hunting and danger.</p>



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