

**The visual richness of rhythmic systems in fish and marine organisms as a source of inspiration and the development of innovative thinking for Wood Works students**

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**Abstract:**

The research deals with the aesthetics of visual richness resulting from the diversity of rhythmic systems in fish and marine organisms and their use as a starting point for the development of innovative thinking of woodwork students in the fourth division of the Department of Technical Education at the Faculty of Quality Education University of Fayoum, and the researcher aims in this research to benefit from the visual richness of rhythmic systems in fish and marine organisms as an innovative design starting point to draw inspiration from them with the aim of developing the innovative thinking of students in the field of woodwork arts, and enriching the building of wood-filled buildings with many aesthetic values and systems Rhythmic systems in fish and marine organisms vary into a range of species (formal rhythmic systems, linear rhythmic systems, color rhythm systems, touch rhythm systems, repetitive rhythmic systems, dynamic rhythmic systems resulting from the struggle of volumes, blocks and vacuums), The research also addressed the rhythmic systems in fish and marine organisms in nature, the most important types of fish and marine organisms and their use as a source of inspiration to enrich the building of woodwork, as well as innovative thinking and benefit from it in the field of woodwork arts, and the researcher drew the most important aesthetics of visual richness resulting from the diversity of rhythmic systems in fish and marine organisms and to use them as a springboard for the development of innovative thinking for students in the field of woodwork arts by drawing inspiration from them in order to reach technical formulations and solutions Composition and technique that can help enrich the construction of woodwork and include it in many aesthetic values and various rhythmic systems, The researcher classified the woodworks as the result of the student experiment into eight entries based on inspiration from the aesthetics of visual richness resulting from the diversity of rhythmic systems in fish and marine organisms: the first entrance: wooden works dealing with "fish of all kinds", second entrance: wooden works dealt with "fish and coral reefs", third entrance: wooden busyes dealing with "superstitious organisms and mermaids", fourth entrance: Wooden work on "sea octopus", entrance 5: wooden busyes dealt with "seahorse or seahorse", entrance 6: wooden busyes dealt with "fish and caporia", entrance 7: wooden busyes dealing with "fish, shells and sea snails", entrance 8: wooden busyes dealt with "starfish".

**Keywords:**

Visual richness, rhythmic systems, Fish and marine organisms, development of innovative thinking, woodwork arts students