Odyssey of the Mind®
The beyond the box experience.

Odyssey of the Mind meets Education Initiatives

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Odyssey of the Mind and Educational Initiatives

Next Generation Science Standards of Science and Engineering Practices	Odyssey Teams
Analyzing and Interpreting Data	• Throughout the problem-solving process teams continuously review, analyze, and interpret data as they develop their solutions building on past experiences and knowledge and seeking new information.
Asking Questions and Defining Problems	• Questioning and defining problems is an integral part of the problem-solving process.
Constructing Explanations and Defining Problems	• Odyssey teams collaborate to define problems and construct and often reconstruct explanations supported by multiple sources of evidence consistent with scientific knowledge, principles, and theories.
Developing and Using Models	• Students develop, design, and use models to predict, explain, or collect data to test ideas and develop solutions.
Engaging in Argument from Evidence	• Using both oral and written arguments, teams use empirical evidence and data to design and support their solutions.
Obtaining, Evaluating, and Communicating Information	• Odyssey teams generate, synthesis, communicate, and critique methods and designs as they seek solutions.
Planning and Carrying out Investigations	• Students plan and carry out investigations that use multiple variables and provide evidence to support solutions.
Using Mathematics and Computational Thinking	• Teams use mathematical and computational thinking to support solutions.

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21st Century Skills

21st Century Skills	Odyssey Teams
Global Awareness	• Global competitiveness and understanding. • Teams meet other teams from around the world at the annual World Finals.
Intellectual Curiosity	• Research to find information needed to solve the problem. Choosing a problem and idea that is personally exciting.
Interpersonal and Collaborative Skills Communication	• Teamwork: consensus, collaboration, communication. Understanding and valuing the power of diversity within the team. Understanding personal strengths and weaknesses. • Practicing active listening skills. • Learning to value other team member's ideas and contributions.
Problem Solving & Creative and Critical Thinking	• Analyze complex open-ended real-world problems. Identifying challenges within the problem. • Brainstorm possible technical solutions. Brainstorm possible thematic and artistic solutions. • Evaluate potential solutions – How creative is this solution? Will other teams have thought of this? • Spontaneous: training your mind to generate creative solutions by analyzing and evaluation your ideas and learning to use targeted thinking strategies.
Self-Direction	• No outside assistance rule: teams generated research, solutions and decision making. Select potential solutions using scoring criteria. • Planning for tournaments.
Authentic Assessment Accountability and Adaptability	• Team reflection of effectiveness during spontaneous practice. Team reflection of tournament results. • Planning and refining for future tournaments. Create-test-improve-retest best solutions.

Odyssey of the Mind and Educational Initiatives Art Standards

Dance	Music	Theater	Visual Arts	Media Arts
Identify ideas for choreography generated from a variety of stimuli	Generate a simple rhythmic, melodic, and harmonic phrase within AB and ABA forms that convey expressive intent	With prompting, and support, invent and inhabit an imaginary elsewhere in dramatic play or guided drama experience	Demonstrate willingness to experiment, innovate, and take risks to pursue ideas, forms, and meaning that emerge in the process of art-making or designing	Formulate variations of goals and solutions for media artworks by practicing chosen creative processes, such as sketching, improvising, and brainstorming
Construct and solve multiple movement problems to develop choreographic content	Generate musical ideas (rhythms, melodies, and accompaniment patterns)	Investigate multiple perspectives and solutions to staging challenges in a drama/theatre work	Brainstorm multiple approaches to a creative art or design problem	Organize, propose, and evaluate artistic ideas, plans, prototypes, and production processes for media arts productions, considering purposeful intent
Improve a series of movements that have a beginning, middle, and end	Demonstrate selected and organized musical ideas for an improvisation, arrangement, or composition to express intent and explain connection to purpose and context	Collaborate with peers to conceptualize scenery in a guided drama experience	Collaboratively set goals and create artwork that is meaningful and ha purpose to the makers	Experiment with multiple approaches to produce content and components for determined purpose and meaning in media arts productions, utilizing a range of associated principles, such as point of view and perspective
Revise movement choices in response to peer feedback and self-reflection to improve a short dance study	Present the final version of personal created music to others that demonstrates craftsmanship and explain connection to expressive intent	Visualize and design technical elements that support the story and given circumstances in a drama/theatre work	When making works of art, utilize and care for materials, tools, and equipment in a manner that prevents danger to oneself and others	Refine and modify media artworks, honing aesthetic quality and intentionally accentuating stylistic elements, to reflect an understanding of personal goals and preferences
Demonstrate locomotor and non-locomotor movements that change body shapes, levels, and facings	Demonstrate understanding of the structure in music selected for performance	Collaborate to determine how characters might move and speak to support the story and given circumstances in drama/theatre work	Design or redesign objects, places, or systems that meet the identified needs of diverse users	Demonstrate how a variety of academic arts, and media forms and content may be mixed and coordinated into media artworks, such as narrative, dance, and media
Replicate body shapes, movement characteristics, and movement patterns in a dance sequence with awareness of body alignment and core support	With limited guidance, apply personal, teacher and peer feedback to refine performances	Develop a scripted or improvised character by articulating the character's inner thoughts, objectives, and motivations in a drama/theatre work	Distinguish between different materials or artistic techniques for preparing artwork for presentations	Exhibit basic creative skills to invent new content and solutions within and through media arts production

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Judge spaces as distance traveled and use space three- dimensionally. Perform movement sequences in and through space with intentionality and focus	Rehearse to refine technical accuracy and expressive qualities and address performance challenges	Collaborate to devise original ideas for a drama/theatre work by asking questions about characters and plots	Analyze multiple ways that images influence specific audiences	Demonstrate how a variety of academic, arts, and media forms and content may be mixed and coordinated into media artworks, such as narrative, dance, and media
Change use of energy and dynamics by modifying movements and applying specific characteristics to heighten the effects of their intent	Perform music for a specific purpose with expression and technical accuracy	Compare ideas with peers and make selections that will enhance and deepen group drama/theatre work	Develop and apply relevant criteria to evaluate a work of art	Demonstrate adaptability using tools and techniques in standard and experimental ways to achieve an assigned purpose in constructing media artworks
Dance with sensibility toward other dancers while executing complex spatial, rhythmic, and dynamic sequences to meet performance goals	Perform appropriately for the audience and purpose	Collaborate with peers to revise, refine, and adapt ideas to fit the given parameters of a drama theatre work	Generate a collection of ideas reflecting current interests and concerns that could be investigated in art making	Evaluate the results of and implement improvements for presenting media artworks, considering impacts on personal growth and external effects
Dance for and with others in a space where audience and performers occupy different areas	Evaluate musical works and performances, applying established criteria, an d explain appropriateness to the content	Refine, transform, and re-imagine a devised or scripted drama/theatre work using the rehearsal process to invent or re-imagine style, genre, form, and conventions	Interpret art by analyzing art making approaches, the characteristics of form and structure, relevant contextual information, subject matter, and use of media to identify ideas and mood conveyed	Identify, describe, and analyze how message and meaning are created by components in media artworks
Explore the use of simple props to enhance performance	Demonstrate how interests, knowledge, and skills relate to personal choices and intent when creating, performing, and responding to music	Develop physical and vocal exercise techniques for an improvised or scripted drama/theatre work	Identify how art is used to inform or change beliefs, values, or behaviors of an individual or society	Describe, compare, and analyze how various forms, methods, and styles in media artworks interact with personal preferences in influencing audience experience
Demonstrate and describe observed or performed dance movements from a specific genre or culture	Present the final version of created music for others	Create innovative solutions to design and technical problems that arise in rehearsal for a drama/theatre work	Engage in constructive critique with peers, then reflect on, re- engage, revise, and refine works of art and design in response to personal artistic vision	Identify and apply basic criteria for evaluating and improving media artworks and production process, considering context

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Describe, create, and/or perform a dance that expresses personal meaning	Demonstrate understanding of relationships between music and the other arts, other disciplines, varied context, and daily life	Interpret story elements in a guided drama experience	Interpret art by analyzing how the interaction of subject matter, characteristics of form and structure, use of media, art-making approaches, and relevant contextual information contributes to understanding messages or ideas and mood conveyed	Access, evaluate, and use internal and external resources to create media artworks such as knowledge, experiences, interests, and research
Observe illustrations from a story. Discuss observations and identify ideas for dance movement and demonstrate the big ideas of the story	Using digital tools and demonstrate attention to technical accuracy and expressive qualities in prepared and improvised performances of a varied repertoire of music	Use body, face, gestures, and voice to communicate character traits and emotions		Analyze and interact appropriately with media arts tools and environments considering fair use and copyright, ethics, and media literacy
Observe a dance and relate the movement to the people or environment in which the dance was created and performed	Assemble and organize multiple sounds or musical ideas to create initial expressive statements of selected sonic events, memories, images, concepts, texts, or storylines	Choose a variety of technical elements that can be applied to a design in a drama/theatre work		
		Perform a scripted drama/theatre work for a specific audience		
		Identify artistic choices made in a drama/theatre work through participation and observation		
		Recognize and share artistic choices when participating in or observing a drama/theatre work		
		Consider multiple ways to develop a character using physical characteristics and prop or costume design choices that reflect cultural perspectives in drama/theatre work		