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Marking Period 1 (MPI)	Music Technology Curriculum Pacing Guide – Level IV
MP 1 **Standards for Music Technology Elective**	• **1.5.HS.MU.Cr1a** Generate and conceptualize original musical ideas using professional-level digital tools, advanced sound design processes, and intentional artistic planning. • **1.5.HS.MU.Cr2a** Organize and develop musical ideas into complex, industry-aligned digital productions using advanced MIDI programming, synthesis, sampling, audio recording, and arrangement techniques. • **1.5.HS.MU.Cr3a** Refine and complete musical works through professional-level editing, sound shaping, advanced mixing, revision, and application of critical feedback. • **1.5.HS.MU.Pr4a** Produce, present, and share music using digital tools with professional technical accuracy, expressive intent, stylistic authenticity, and production quality. • **1.5.HS.MU.Re7a** Analyze, evaluate, and critique music technology projects using professional music production, audio engineering, and industry vocabulary. • **1.5.HS.MU.Cn10a** Relate music technology practices to personal artistic identity, portfolio development, and preparation for postsecondary study or careers in music, media, and audio technology.
MP 1 **Topics**	Advanced DAW mastery Advanced sound design Automation & professional editing Advanced effects & plug-ins Genre-specific production (EDM, lo-fi, hip-hop, etc.) Mixing & mastering Digital distribution formats Professional portfolio development Capstone project production Presentation & critique
MP 1 **Skills- Concepts**	• **Advanced Production & Sound Design (MU.Cr2.1.HSI, MU.Pr5.1.HSI):** Students create multi-layer compositions using professional editing, automation, and sound design techniques to produce polished digital works.

	• **Composition, Genre & Expressive Orchestration (MU.Cr1.1.HSI, MU.Cr2.1.HSI):** Students apply genre conventions, digital orchestration, and expressive production choices to shape original musical compositions. • **Technology Mastery, Mastering & Distribution (MU.Pr6.1.HSI):** Students use advanced plugins, mastering processes, and digital platforms to prepare and share finished musical products. • **Listening, Analysis & Cultural Musicianship (MU.Re7.1.HSI, MU.Re8.1.HSI, MU.Cn11.1.HSI):** Students analyze musical styles, evaluate production quality, reflect critically on creative work, and connect music to contemporary cultural contexts.
MP 1 **Core Materials**	• Computer or Chromebook • Professional DAW (or advanced features of BandLab, GarageBand, etc.) • Headphones • MIDI keyboards • Microphones and audio interface • Access to plug-ins/sound libraries • Internet access

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Marking Period 2 (MPII)	Music Technology Curriculum Pacing Guide – Level IV
MP 2 **Standards for Music Technology Elective**	• **1.5.HS.MU.Cr1a** Generate and conceptualize original musical ideas using professional-level digital tools, advanced sound design processes, and intentional artistic planning. • **1.5.HS.MU.Cr2a** Organize and develop musical ideas into complex, industry-aligned digital productions using advanced MIDI programming, synthesis, sampling, audio recording, and arrangement techniques. • **1.5.HS.MU.Cr3a** Refine and complete musical works through professional-level editing, sound shaping, advanced mixing, revision, and application of critical feedback. • **1.5.HS.MU.Pr4a** Produce, present, and share music using digital tools with professional technical accuracy, expressive intent, stylistic authenticity, and production quality. • **1.5.HS.MU.Re7a** Analyze, evaluate, and critique music technology projects using professional music production, audio engineering, and industry vocabulary. • **1.5.HS.MU.Cn10a** Relate music technology practices to personal artistic identity, portfolio development, and preparation for postsecondary study or careers in music, media, and audio technology.
MP 2 **Topics**	Review professional studio workflow, expectations, project timelines, intellectual property considerations, and portfolio goals. Design advanced musical concepts including genre analysis, stylistic authenticity, target audience, and production benchmarks. Develop sophisticated musical material using advanced MIDI programming, synthesis, sampling, and layered arrangements. Record and integrate high-quality audio sources with attention to mic technique, signal flow, and expressive performance. Refine arrangement, transitions, and structure to enhance musical narrative and production impact. Apply professional mixing techniques including frequency management, gain staging, stereo imaging, depth, and tonal balance. Apply advanced dynamics processing and spatial effects to achieve clarity, loudness control, and stylistic cohesion. Engage in structured peer and teacher critique modeled after industry review processes and revise accordingly. Present polished works-in-progress or completed tracks in a professional listening or portfolio review format.

	Reflect on artistic growth, technical mastery, workflow efficiency, and readiness for capstone production or postsecondary pathways.
MP 2 **Skills- Concepts**	• **Professional Digital Production & Sound Design:** Students apply industry-aligned workflows, advanced synthesis and sampling, expressive MIDI programming, and refined arrangement techniques to create high-quality digital compositions. • **Advanced Recording, Editing & Mixing Mastery:** Students manage signal flow, record audio professionally, refine edits, and apply advanced mixing, dynamics processing, and balance for polished final products. • **Critical Listening, Creative Authenticity & Revision:** Students engage in industry-style critique, evaluate sound choices, revise intentionally, and develop a personal artistic voice and stylistic identity. • **Portfolio Development, Career Connections & Presentation:** Students curate digital portfolios, present work professionally, explore music technology careers, and prepare for postsecondary pathways.
MP 2 **Core Materials**	• Computers with professional-grade digital audio workstation software • Audio interfaces and microphones • MIDI controllers, synthesizers, and virtual instruments • Headphones and studio monitors • Sample libraries, synthesis tools, and sound design resources • Teacher-led workshops and individualized coaching • Peer critique protocols and portfolio platforms

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Marking Period 3 (MPIII)	Music Technology Curriculum Pacing Guide – Level IV
MP 3 **Standards for Music Technology Elective**	• **1.5.HS.MU.Cr1a** Generate and conceptualize original musical ideas using professional-level digital tools, advanced sound design processes, and intentional artistic planning. • **1.5.HS.MU.Cr2a** Organize and develop musical ideas into complex, industry-aligned digital productions using advanced MIDI programming, synthesis, sampling, audio recording, and arrangement techniques. • **1.5.HS.MU.Cr3a** Refine and complete musical works through professional-level editing, sound shaping, advanced mixing, revision, and application of critical feedback. • **1.5.HS.MU.Pr4a** Produce, present, and share music using digital tools with professional technical accuracy, expressive intent, stylistic authenticity, and production quality. • **1.5.HS.MU.Re7a** Analyze, evaluate, and critique music technology projects using professional music production, audio engineering, and industry vocabulary. • **1.5.HS.MU.Cn10a** Relate music technology practices to personal artistic identity, portfolio development, and preparation for postsecondary study or careers in music, media, and audio technology.
MP 3 **Topics**	Review professional workflow standards, project benchmarks, portfolio expectations, and critical listening strategies. Refine advanced sound design using synthesis, sampling, modulation, and creative audio manipulation. Develop expressive MIDI programming including detailed automation, articulation control, and humanization. Refine arrangement through texture management, transitions, contrast, and dynamic pacing. Apply professional audio editing techniques including detailed waveform editing, timing correction, and noise management. Develop advanced mixing strategies focusing on frequency balance, gain staging, stereo imaging, depth, and tonal consistency across tracks. Apply advanced dynamics processing including compression, limiting awareness, loudness standards, and mix translation. Revise projects through structured peer and teacher critique modeled on industry review processes. Present near-final productions or portfolio tracks demonstrating professional-level quality and artistic intent. Reflect on production growth, portfolio development, workflow efficiency, and readiness for capstone MPIV work.
MP 3 **Skills- Concepts**	**Sound Design, MIDI Programming & Production Technique:** Students develop professional-level sound design and synthesis skills while applying expressive MIDI programming and automation within digital music production.

	Arrangement, Structure & Audio Editing: Students refine musical arrangements and structure while applying advanced audio editing and production techniques to enhance clarity and precision. **Mixing, Dynamics & Professional Sound Quality:** Students apply professional mixing practices including balance, depth, dynamics processing, and loudness control to produce polished recordings. **Critique, Portfolio Development & Capstone Preparation:** Students participate in industry-style critique and collaboration while refining portfolios and preparing for advanced capstone work in music technology.
MP 3 **Core Materials**	• Computers with professional-grade digital audio workstation software • Audio interfaces and microphones • MIDI controllers, synthesizers, and virtual instruments • Headphones and studio monitors • Sample libraries, synthesis tools, and sound design resources • Teacher-led workshops and individualized coaching • Peer critique protocols and portfolio platforms

Marking Period 4 (MPIV)	Music Technology Curriculum Pacing Guide – Level IV
MP 4 **Standards for Music Technology Elective**	• **1.5.HS.MU.Cr1a** Generate and conceptualize original musical ideas using professional-level digital tools, advanced sound design processes, and intentional artistic planning. • **1.5.HS.MU.Cr2a** Organize and develop musical ideas into complex, industry-aligned digital productions using advanced MIDI programming, synthesis, sampling, audio recording, and arrangement techniques. • **1.5.HS.MU.Cr3a** Refine and complete musical works through professional-level editing, sound shaping, advanced mixing, revision, and application of critical feedback. • **1.5.HS.MU.Pr4a** Produce, present, and share music using digital tools with professional technical accuracy, expressive intent, stylistic authenticity, and production quality. • **1.5.HS.MU.Re7a** Analyze, evaluate, and critique music technology projects using professional music production, audio engineering, and industry vocabulary. • **1.5.HS.MU.Cn10a** Relate music technology practices to personal artistic identity, portfolio development, and preparation for postsecondary study or careers in music, media, and audio technology.
MP 4 **Topics**	Review capstone expectations, assessment criteria, portfolio requirements, intellectual property considerations, and professional deadlines. Design a capstone project proposal including artistic vision, genre, audience, production goals, timeline, and technical requirements. Develop core musical material using advanced MIDI programming, synthesis, sampling, and layered arrangements. Record and integrate high-quality audio sources using professional mic technique, signal flow, and expressive performance practices. Refine arrangement, transitions, and structure to strengthen musical narrative, clarity, and impact. Apply professional mixing techniques including EQ shaping, gain staging, stereo imaging, depth, and tonal balance. Apply advanced dynamics processing, loudness management, and spatial effects to achieve professional clarity and translation. Engage in formal critique sessions modeled after industry review processes and revise projects accordingly. Present final capstone projects in a professional listening session, portfolio review, or public showcase format.

	Week 10 Reflect on artistic growth, technical mastery, workflow efficiency, portfolio readiness, and postsecondary or career pathways.
MP 4 **Skills- Concepts**	**Capstone Production, Workflow & Digital Composition:** Students design and execute capstone-level music productions while applying professional digital workflows, advanced MIDI programming, and expressive control in composition. **Sound Design, Recording & Advanced Editing:** Students create original sounds through synthesis and sound design while refining audio recording, waveform editing, and arrangement techniques. **Mixing, Dynamics & Professional Sound Shaping:** Students apply advanced mixing practices including balance, dynamics processing, spatial effects, and loudness management to achieve professional-quality audio. **Portfolio Development, Ethics & Career Readiness:** Students curate professional portfolios, engage in peer critique using industry protocols, and explore copyright, distribution, and ethical practices while preparing for college, certification, or music technology careers.
MP 4 **Core Materials**	• Computers with professional-grade digital audio workstation software • Audio interfaces and microphones • MIDI controllers, synthesizers, and virtual instruments • Headphones and studio monitors • Sample libraries, synthesis tools, and sound design resources • Teacher-led workshops and individualized coaching • Portfolio platforms and critique protocols