

# Lone Jack High School

## program of study for: **Health Science**

Students must meet Lone Jack graduation requirements. These courses are suggested for students interested in this career path

	English (4)	Math (4)	Science (4)	History (3)	Practical Art (1) Fine art (1) Pers. Finance (.5) P. E. (1), health (.5)	Career Major electives	Area Career Center Programs (Only available for 11th and 12th grade)
9	English 1	Algebra I Geometry	Honor's Biology	American History Honors World History		Human Development (.5) Parenting and Child Dev. (.5) Food Science (.5) Advanced Food Science (.5) Foreign Language (online) Ag. Science 1	■ EMT-Basic (CCC) ■ Health Science (CCC)
10	English II	Geometry Algebra II	Chemistry	American History II		Psychology Sociology (WeMET) Strength and Conditioning	* Allied Health Academy (STA)
11	English III	Technical math Pre-calculus/Trig * College Algebra Algebra II	Anatomy/ Physiology	Government # AP Government	Personal Finance (.5)		* Medical Interventions/Biomedical Innovation (STA)
12	English IV * College English 1020 (.5) * College English 1030 (.5)	Technical Math Pre-Calc./Trig * College Algebra	# AP Biology				* Professional Nursing (STA) Phlebotomy- (STA) Online

\*Dual credit      Weighted      #Articulated credit      ■Embedded Credit, (¼ credit of math and ¼ credit of English per semester)  
(CCC) Cass Career Center in Harrisonville      (STA) Summit Technology Academy in Lees Summit (1 science or 1 math exempted per year)      **Highly recommended for this path**

<p><b>Additional learning opportunities:</b></p> <ul style="list-style-type: none"> <li>Meet with the Root Ed Advisor &amp; explore Missouri Connections</li> <li>Completion of your ICAP (Individual Career &amp; Academic Plan)</li> <li>Meet with counselors yearly to review schedules and future goals</li> <li>Job Shadow</li> <li>College &amp; Career Fairs</li> <li>Volunteer</li> <li>College visits</li> <li>Explore <a href="http://www.missouriconnections.org">www.missouriconnections.org</a> for additional career exploration.</li> </ul>	<p><b>Recommended Youth Activities:</b></p> <ul style="list-style-type: none"> <li>Athletic</li> <li>First Aid Training</li> <li>CPR Training</li> <li>Organize and/or work at a blood drive</li> <li>Lifeguard</li> <li>Childcare</li> <li>Be involved in clubs and organizations</li> <li>Part time employment</li> <li>NTHS (CCC)</li> </ul>	<p><b>Please visit these sites for up to date lists of technical schools, community colleges, 4-year colleges &amp; military with opportunities in this career cluster.</b></p> <p><a href="http://www.missouriconnections.org">www.missouriconnections.org</a>  <a href="http://www.collegeboard.com">www.collegeboard.com</a>  <a href="http://www.dhe.mo.gov">www.dhe.mo.gov</a>  <a href="http://www.army.mil">www.army.mil</a>  <a href="http://www.navy.mil">www.navy.mil</a>  <a href="http://www.marines.mil">www.marines.mil</a>  <a href="http://www.af.mil">www.af.mil</a>  <a href="http://www.uscg.mil">www.uscg.mil</a>  <a href="http://www.nq.mil">www.nq.mil</a></p>
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## Lone Jack High School

### program of study for: **Arts, Audio-Visual Technology and Communication**

Students must meet Lone Jack graduation requirements. These courses are suggested for students interested in this career path

	English (4)	Math (4)	Science (4)	History (3)	Practical Art (1) Fine art (1) Pers. Finance (.5) P. E. (1), health (.5)	Career Major electives	Area Career Center Programs (Only available for 11th and 12th grade)
9	English 1	Algebra I Geometry	9th Science Honor's Biology	American History Honors World History		Marketing Exploratory Art Computer Apps Creative Writing Literature through film Intensive Art Advanced Art Multimedia Yearbook Choir and/or Band World Languages Music Appreciation/Guitar Disc. Theater (WeMET) Exp. Music (WeMET)	* Digital Media Technology (STA)
10	English II	Geometry Algebra II	Biology I Earth and Space	American History II			
11	English III	Technical math Pre-calculus/Trig * College Alg. Algebra II	Earth and Space Chemistry	Government # AP Government	Personal Finance (.5)		
12	English IV * College English 1020 (.5) * College English 1030 (.5)	Technical Math Pre-Calc./Trig * College Alg.	A & P Physics # AP Bio.				

\*Dual credit

Weighted

#Articulated credit

■Embedded Credit, (¼ credit of math and ¼ credit of English per semester)

(CCC) Cass Career Center in Harrisonville

(STA) Summit Technology Academy in Lees Summit (1 science or 1 math exempted per year)

Highly recommended for this path

<p><b>Additional learning opportunities:</b></p> <ul style="list-style-type: none"> <li>• Meet with the Root Ed Advisor &amp; explore Missouri Connections</li> <li>• Completion of your ICAP (Individual Career &amp; Academic Plan)</li> <li>• Meet with counselors yearly to review schedules and future goals</li> <li>• Job Shadow</li> <li>• College &amp; Career Fairs</li> <li>• Volunteer</li> <li>• College visits</li> <li>• Explore <a href="http://www.missouriconnections.org">www.missouriconnections.org</a> for additional career exploration.</li> </ul>	<p><b>Recommended Youth Activities:</b></p> <ul style="list-style-type: none"> <li>• Choir</li> <li>• Band</li> <li>• School or community theater</li> <li>• Yearbook</li> <li>• Newspaper</li> <li>• Debate</li> <li>• Book Clubs</li> <li>• Art clubs</li> </ul>	<p><b>Please visit these sites for up to date lists of technical schools, community colleges, 4-year colleges &amp; military with opportunities in this career cluster.</b></p> <p> <a href="http://www.missouriconnections.org">www.missouriconnections.org</a>  <a href="http://www.collegeboard.com">www.collegeboard.com</a>  <a href="http://www.dhe.mo.gov">www.dhe.mo.gov</a>  <a href="http://www.army.mil">www.army.mil</a>  <a href="http://www.navy.mil">www.navy.mil</a>  <a href="http://www.marines.mil">www.marines.mil</a>  <a href="http://www.af.mil">www.af.mil</a>  <a href="http://www.uscg.mil">www.uscg.mil</a>  <a href="http://www.ng.mil">www.ng.mil</a> </p>
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## Lone Jack High School

### program of study for: **Agriculture, Food and Natural Resources**

Students must meet Lone Jack graduation requirements. These courses are suggested for students interested in this career path

	English (4)	Math (4)	Science (4)	History (3)	Practical Art (1) Fine art (1) Pers. Finance (.5) P. E. (1), health (.5)	Career Major electives	Area Career Center Programs (Only available for 11th and 12th grade)
<b>9</b>	English 1	Algebra I Geometry	9th Science Honor's Biology	American History Honors World History		Food Science (.5) Advanced Food Science (.5) World Foods (.5) World Foods II (.5)	■ Construction Technology (CCC)
<b>10</b>	English II	Geometry Algebra II	Biology I Earth and Space	American History II		Ag. Science I Agriculture Construction Fish and Wildlife Conservation Forest Management	
<b>11</b>	English III	Technical math Pre-calculus/Trig * College Alg. Algebra II	Earth and Space Chemistry	Government # AP Government	Personal Finance (.5)	Agriculture Management and Economics	
<b>12</b>	English IV * College English 1020 (.5) * College English 1030 (.5)	Technical Math Pre-Calc./Trig * College Alg.	A & P Physics # AP Bio. Earth and Space			Animal Science	

\*Dual credit

Weighted

#Articulated credit

■ Embedded Credit, (¼ credit of math and ¼ credit of English per semester)

(CCC) Cass Career Center in Harrisonville

(STA) Summit Technology Academy in Lees Summit (1 science or 1 math exempted per year)

Highly recommended for this path

<p><b>Additional learning opportunities:</b></p> <ul style="list-style-type: none"> <li>Meet with the Root Ed Advisor &amp; explore Missouri Connections</li> <li>Completion of your ICAP (Individual Career &amp; Academic Plan)</li> <li>Meet with counselors yearly to review schedules and future goals</li> <li>Job Shadow</li> <li>College &amp; Career Fairs</li> <li>Volunteer</li> <li>College visits</li> <li>Explore <a href="http://www.missouriconnections.org">www.missouriconnections.org</a> for additional career exploration.</li> </ul>	<p><b>Recommended Youth Activities:</b></p> <ul style="list-style-type: none"> <li>FFA</li> <li>Culinary classes</li> <li>4-H</li> <li>NTHS (CCC)</li> <li>Part time employment</li> <li>Trap Shooting</li> <li>Archery</li> <li>Volunteer at animal shelters, veterinary clinics, horse barns.</li> </ul>	<p><b>Please visit these sites for up to date lists of technical schools, community colleges, 4-year colleges &amp; military with opportunities in this career cluster.</b></p> <p> <a href="http://www.missouriconnections.org">www.missouriconnections.org</a>  <a href="http://www.collegeboard.com">www.collegeboard.com</a>  <a href="http://www.dhe.mo.gov">www.dhe.mo.gov</a>  <a href="http://www.army.mil">www.army.mil</a>  <a href="http://www.navy.mil">www.navy.mil</a>  <a href="http://www.marines.mil">www.marines.mil</a>  <a href="http://www.af.mil">www.af.mil</a>  <a href="http://www.uscg.mil">www.uscg.mil</a>  <a href="http://www.ng.mil">www.ng.mil</a> </p>
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# Lone Jack High School

## program of study for: **Architecture & Construction**

Students must meet Lone Jack graduation requirements. These courses are suggested for students interested in this career path

	English (4)	Math (4)	Science (4)	History (3)	Practical Art (1) Fine art (1) Pers. Finance (.5) P. E. (1), health (.5)	Career Major electives	Area Career Center Programs (Only available for 11th and 12th grade)
<b>9</b>	English 1	Algebra I Geometry	9th Science Honor's Biology	American History Honors World History		PLTW (IED) PLTW (POE) Industrial Technology Advanced Ind. Technology AG Science 1 Agriculture Construction	■Welding Technology (CCC)  ■Construction Technology (CCC)
<b>10</b>	English II	Geometry Algebra II	Biology I Earth and Space	American History II			
<b>11</b>	English III	Technical math Pre-calculus/Trig * College Alg. Algebra II	Earth and Space Chemistry	Government # AP Government	Personal Finance (.5)		
<b>12</b>	English IV * College English 1020 (.5) * College English 1030 (.5)	Technical Math Pre-Calc./Trig * College Alg.	A & P Physics # AP Bio.				

\*Dual credit                      Weighted                      #Articulated credit                      ■Embedded Credit, (¼ credit of math and ¼ credit of English per semester)  
 (CCC) Cass Career Center in Harrisonville                      (STA) Summit Technology Academy in Lees Summit (1 science or 1 math exempted per year)                      **Highly recommended for this path**

<p><b>Additional learning opportunities:</b></p> <ul style="list-style-type: none"> <li>• Meet with the Root Ed Advisor &amp; explore Missouri Connections</li> <li>• Completion of your ICAP (Individual Career &amp; Academic Plan)</li> <li>• Meet with counselors yearly to review schedules and future goals</li> <li>• Job Shadow</li> <li>• College &amp; Career Fairs</li> <li>• Volunteer</li> <li>• College visits</li> <li>• Explore <a href="http://www.missouriconnections.org">www.missouriconnections.org</a> for additional career exploration.</li> </ul>	<p><b>Recommended Youth Activities:</b></p> <ul style="list-style-type: none"> <li>• FFA</li> <li>• Part time employment</li> <li>• NTHS (CCC)</li> </ul>	<p><b>Please visit these sites for up to date lists of technical schools, community colleges, 4-year colleges &amp; military with opportunities in this career cluster.</b></p> <p> <a href="http://www.missouriconnections.org">www.missouriconnections.org</a>  <a href="http://www.collegeboard.com">www.collegeboard.com</a>  <a href="http://www.dhe.mo.gov">www.dhe.mo.gov</a>  <a href="http://www.army.mil">www.army.mil</a>  <a href="http://www.navy.mil">www.navy.mil</a>  <a href="http://www.marines.mil">www.marines.mil</a>  <a href="http://www.af.mil">www.af.mil</a>  <a href="http://www.uscg.mil">www.uscg.mil</a>  <a href="http://www.ng.mil">www.ng.mil</a> </p>
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## Lone Jack High School

### program of study for: **Business Management & Administration**

Students must meet Lone Jack graduation requirements. These courses are suggested for students interested in this career path

	English (4)	Math (4)	Science (4)	History (3)	Practical Art (1) Fine art (1) Pers. Finance (.5) P. E. (1), health (.5)	Career Major electives	Area Career Center Programs (Only available for 11th and 12th grade)
9	English 1	Algebra I Geometry	9th Science Honor's Biology	American History Honors World History		Marketing Foreign Language Multimedia Computer Applications Accounting Ag. Science 1 Ag. Management and Economics. Creative Writing Psychology Sociology (WEMET) Intro to business (Launch)	<ul style="list-style-type: none"> <li>■ Marketing (CCC)</li> <li>* International Studies (STA)</li> <li>* Business Finance and Fin Tech. (STA)</li> </ul>
10	English II	Geometry Algebra II	Biology I Earth and Space	American History II			
11	English III	Technical math Pre-calculus/Trig * College Alg. Algebra II	Earth and Space Chemistry	Government # AP Government	Personal Finance (.5)		
12	English IV * College English 1020 (.5) * College English 1030 (.5)	Technical Math Pre-Calc./Trig * College Alg.	A & P Physics # AP Bio.				

\*Dual credit

Weighted

#Articulated credit

■Embedded Credit, (¼ credit of math and ¼ credit of English per semester)

(CCC) Cass Career Center in Harrisonville

(STA) Summit Technology Academy in Lees Summit (1 science or 1 math exempted per year)

Highly recommended for this path

<p><b>Additional learning opportunities:</b></p> <ul style="list-style-type: none"> <li>● Meet with the Root Ed Advisor &amp; explore Missouri Connections</li> <li>● Completion of your ICAP (Individual Career &amp; Academic Plan)</li> <li>● Meet with counselors yearly to review schedules and future goals</li> <li>● Job Shadow</li> <li>● College &amp; Career Fairs</li> <li>● Volunteer</li> <li>● College visits</li> <li>● Explore <a href="http://www.missouriconnections.org">www.missouriconnections.org</a> for additional career exploration.</li> </ul>	<p><b>Recommended Youth Activities:</b></p> <ul style="list-style-type: none"> <li>● FFA</li> <li>● Part time employment</li> <li>● FBLA</li> <li>● Skills USA</li> <li>● NHS</li> <li>● DECA (@ CCC)</li> <li>● Student Council</li> <li>● NTHS (CCC)</li> </ul>	<p><b>Please visit these sites for up to date lists of technical schools, community colleges, 4-year colleges &amp; military with opportunities in this career cluster.</b></p> <p> <a href="http://www.missouriconnections.org">www.missouriconnections.org</a>  <a href="http://www.collegeboard.com">www.collegeboard.com</a>  <a href="http://www.dhe.mo.gov">www.dhe.mo.gov</a>  <a href="http://www.army.mil">www.army.mil</a>  <a href="http://www.navy.mil">www.navy.mil</a>  <a href="http://www.marines.mil">www.marines.mil</a>  <a href="http://www.af.mil">www.af.mil</a>  <a href="http://www.uscg.mil">www.uscg.mil</a>  <a href="http://www.ng.mil">www.ng.mil</a> </p>
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Lone Jack High School  
program of study for: **Education & Training**

Students must meet Lone Jack graduation requirements. These courses are suggested for students interested in this career path

	English (4)	Math (4)	Science (4)	History (3)	Practical Art (1) Fine art (1) Pers. Finance (.5) P. E. (1), health (.5)	Career Major electives	Area Career Center Programs (Only available for 11th and 12th grade)
9	English 1	Algebra I Geometry	9th Science Honor's Biology	American History Honors World History		Human Development Parenting and Child Dev. Food and Nutrition Forieng Language Intramural Sports Strength and Conditioning	* Teacher Education Academy
10	English II	Geometry Algebra II	Biology I Earth and Space	American History II		Psychology Sociology (WEMET) A+ tutoring Computer Applications Yearbook	
11	English III	Technical math Pre-calculus/Trig * College Alg. Algebra II	Earth and Space Chemistry	Government # AP Government	Personal Finance (.5)	Teaching as a Profession (Launch)	
12	English IV * College English 1020 (.5) * College English 1030 (.5)	Technical Math Pre-Calc./Trig * College Alg.	A & P Physics # AP Bio.				

\*Dual credit      Weighted      #Articulated credit      ■Embedded Credit, (¼ credit of math and ¼ credit of English per semester)  
(CCC) Cass Career Center in Harrisonville      (STA) Summit Technology Academy in Lees Summit (1 science or 1 math exempted per year)      **Highly recommended for this path**

<p><b>Additional learning opportunities:</b></p> <ul style="list-style-type: none"> <li>Meet with the Root Ed Advisor &amp; explore Missouri Connections</li> <li>Completion of your ICAP (Individual Career &amp; Academic Plan)</li> <li>Meet with counselors yearly to review schedules and future goals</li> <li>Job Shadow</li> <li>College &amp; Career Fairs</li> <li>Volunteer</li> <li>College visits</li> <li>Explore <a href="http://www.missouriconnections.org">www.missouriconnections.org</a> for additional career exploration.</li> </ul>	<p><b>Recommended Youth Activities:</b></p> <ul style="list-style-type: none"> <li>Athletics or Extra Curricular clubs</li> <li>A+ tutoring</li> <li>Work at Childcare Center</li> <li>Work/Volunteer at AM/PM School</li> <li>NHS</li> <li>FFA</li> <li>Student Council</li> <li>Hi Step</li> </ul>	<p><b>Please visit these sites for up to date lists of technical schools, community colleges, 4-year colleges &amp; military with opportunities in this career cluster.</b></p> <p><a href="http://www.missouriconnections.org">www.missouriconnections.org</a>  <a href="http://www.collegeboard.com">www.collegeboard.com</a>  <a href="http://www.dhe.mo.gov">www.dhe.mo.gov</a>  <a href="http://www.army.mil">www.army.mil</a>  <a href="http://www.navy.mil">www.navy.mil</a>  <a href="http://www.marines.mil">www.marines.mil</a>  <a href="http://www.af.mil">www.af.mil</a>  <a href="http://www.uscg.mil">www.uscg.mil</a>  <a href="http://www.ng.mil">www.ng.mil</a></p>
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# Lone Jack High School

## program of study for: **Finance**

Students must meet Lone Jack graduation requirements. These courses are suggested for students interested in this career path

	English (4)	Math (4)	Science (4)	History (3)	Practical Art (1) Fine art (1) Pers. Finance (.5) P. E. (1), health (.5)	Career Major electives	Area Career Center Programs (Only available for 11th and 12th grade)
<b>9</b>	English 1	Algebra I Geometry	9th Science Honor's Biology	American History Honors World History		Accounting Computer Applications Foreign Language Marketing Psychology Sociology (WeMET)	* Business Finance & Fin Tech (pre-rec 1 credit in business)
<b>10</b>	English II	Geometry Algebra II	Biology I Earth and Space	American History II			
<b>11</b>	English III	Technical math Pre-calculus/Trig * College Alg. Algebra II	Earth and Space Chemistry	Government # AP Government	Personal Finance (.5)		
<b>12</b>	English IV * College English 1020 (.5) * College English 1030 (.5)	Technical Math Pre-Calc./Trig * College Alg.	A & P Physics # AP Bio.				

\*Dual credit

Weighted

#Articulated credit

■Embedded Credit, (¼ credit of math and ¼ credit of English per semester)

(CCC) Cass Career Center in Harrisonville

(STA) Summit Technology Academy in Lees Summit (1 science or 1 math exempted per year)

Highly recommended for this path

<p><b>Additional learning opportunities:</b></p> <ul style="list-style-type: none"> <li>Meet with the Root Ed Advisor &amp; explore Missouri Connections</li> <li>Completion of your ICAP (Individual Career &amp; Academic Plan)</li> <li>Meet with counselors yearly to review schedules and future goals</li> <li>Job Shadow</li> <li>College &amp; Career Fairs</li> <li>Volunteer</li> <li>College visits</li> <li>Explore <a href="http://www.missouriconnections.org">www.missouriconnections.org</a> for additional career exploration.</li> </ul>	<p><b>Recommended Youth Activities:</b></p> <ul style="list-style-type: none"> <li>FBLA</li> <li>Student Council</li> <li>NHS</li> <li>DECA</li> <li>Skills USA</li> </ul>	<p><b>Please visit these sites for up to date lists of technical schools, community colleges, 4-year colleges &amp; military with opportunities in this career cluster.</b></p> <p> <a href="http://www.missouriconnections.org">www.missouriconnections.org</a>  <a href="http://www.collegeboard.com">www.collegeboard.com</a>  <a href="http://www.dhe.mo.gov">www.dhe.mo.gov</a>  <a href="http://www.army.mil">www.army.mil</a>  <a href="http://www.navy.mil">www.navy.mil</a>  <a href="http://www.marines.mil">www.marines.mil</a>  <a href="http://www.af.mil">www.af.mil</a>  <a href="http://www.uscg.mil">www.uscg.mil</a>  <a href="http://www.ng.mil">www.ng.mil</a> </p>
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# Lone Jack High School

## program of study for: **Government & Public Administration**

Students must meet Lone Jack graduation requirements. These courses are suggested for students interested in this career path

	English (4)	Math (4)	Science (4)	History (3)	Practical Art (1) Fine art (1) Pers. Finance (.5) P. E. (1), health (.5)	Career Major electives	Area Career Center Programs (Only available for 11th and 12th grade)
9	English 1	Algebra I Geometry	9th Science Honor's Biology	American History Honors World History		US History to 1877 US History from 1877 Modern US History Geography Psychology 1 & 2 Missouri History History of the Holocaust Sociology (WeMET) Accounting Foreign Language Creative Writing AP Statistics (Launch)	* International Studies Academy (must have 2 years foreign language to qualify)
10	English II	Geometry Algebra II	Biology I Earth and Space	American History II			
11	English III	Technical math Pre-calculus/Trig * College Alg. Algebra II	Earth and Space Chemistry	Government # AP Government	Personal Finance (.5)		
12	English IV * College English 1020 (.5) * College English 1030 (.5)	Technical Math Pre-Calc./Trig * College Alg.	A & P Physics # AP Bio.				

\*Dual credit      Weighted      #Articulated credit      ■Embedded Credit, (¼ credit of math and ¼ credit of English per semester)  
 (CCC) Cass Career Center in Harrisonville      (STA) Summit Technology Academy in Lees Summit (1 science or 1 math exempted per year)      **Highly recommended for this path**

<p><b>Additional learning opportunities:</b></p> <ul style="list-style-type: none"> <li>Meet with the Root Ed Advisor &amp; explore Missouri Connections</li> <li>Completion of your ICAP (Individual Career &amp; Academic Plan)</li> <li>Meet with counselors yearly to review schedules and future goals</li> <li>Job Shadow</li> <li>College &amp; Career Fairs</li> <li>Volunteer</li> <li>College visits</li> <li>Explore <a href="http://www.missouriconnections.org">www.missouriconnections.org</a> for additional career exploration.</li> </ul>	<p><b>Recommended Youth Activities:</b></p> <ul style="list-style-type: none"> <li>Student Council</li> <li>Hi Step</li> <li>Part time job</li> <li>Volunteer with school and community events</li> </ul>	<p><b>Please visit these sites for up to date lists of technical schools, community colleges, 4-year colleges &amp; military with opportunities in this career cluster.</b></p> <p> <a href="http://www.missouriconnections.org">www.missouriconnections.org</a>  <a href="http://www.collegeboard.com">www.collegeboard.com</a>  <a href="http://www.dhe.mo.gov">www.dhe.mo.gov</a>  <a href="http://www.army.mil">www.army.mil</a>  <a href="http://www.navy.mil">www.navy.mil</a>  <a href="http://www.marines.mil">www.marines.mil</a>  <a href="http://www.af.mil">www.af.mil</a>  <a href="http://www.uscg.mil">www.uscg.mil</a>  <a href="http://www.ng.mil">www.ng.mil</a> </p>
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# Lone Jack High School

## program of study for: **Hospitality & Tourism**

Students must meet Lone Jack graduation requirements. These courses are suggested for students interested in this career path

	English (4)	Math (4)	Science (4)	History (3)	Practical Art (1) Fine art (1) Pers. Finance (.5) P. E. (1), health (.5)	Career Major electives	Area Career Center Programs (Only available for 11th and 12th grade)
<b>9</b>	English 1	Algebra I Geometry	9th Science Honor's Biology	American History Honors World History		Marketing Food and Nutrition World Foods Foreign Language Geography Psychology Sociology (WeMET) Exploratory Art	
<b>10</b>	English II	Geometry Algebra II	Biology I Earth and Space	American History II			
<b>11</b>	English III	Technical math Pre-calculus/Trig * College Alg. Algebra II	Earth and Space Chemistry	Government # AP Government	Personal Finance (.5)		
<b>12</b>	English IV * College English 1020 (.5) * College English 1030 (.5)	Technical Math Pre-Calc./Trig * College Alg.	A & P Physics # AP Bio.				

\*Dual credit

Weighted

#Articulated credit

■Embedded Credit, (¼ credit of math and ¼ credit of English per semester)

(CCC) Cass Career Center in Harrisonville

(STA) Summit Technology Academy in Lees Summit (1 science or 1 math exempted per year)

Highly recommended for this path

<p><b>Additional learning opportunities:</b></p> <ul style="list-style-type: none"> <li>• Meet with the Root Ed Advisor &amp; explore Missouri Connections</li> <li>• Completion of your ICAP (Individual Career &amp; Academic Plan)</li> <li>• Meet with counselors yearly to review schedules and future goals</li> <li>• Job Shadow</li> <li>• College &amp; Career Fairs</li> <li>• Volunteer</li> <li>• College visits</li> <li>• Explore <a href="http://www.missouriconnections.org">www.missouriconnections.org</a> for additional career exploration.</li> </ul>	<p><b>Recommended Youth Activities:</b></p> <ul style="list-style-type: none"> <li>• Culinary arts classes</li> <li>• 4-H</li> <li>• Volunteer for school and community events.</li> <li>• Student Council</li> </ul>	<p><b>Please visit these sites for up to date lists of technical schools, community colleges, 4-year colleges &amp; military with opportunities in this career cluster.</b></p> <p> <a href="http://www.missouriconnections.org">www.missouriconnections.org</a>  <a href="http://www.collegeboard.com">www.collegeboard.com</a>  <a href="http://www.dhe.mo.gov">www.dhe.mo.gov</a>  <a href="http://www.army.mil">www.army.mil</a>  <a href="http://www.navy.mil">www.navy.mil</a>  <a href="http://www.marines.mil">www.marines.mil</a>  <a href="http://www.af.mil">www.af.mil</a>  <a href="http://www.uscg.mil">www.uscg.mil</a>  <a href="http://www.ng.mil">www.ng.mil</a> </p>
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Lone Jack High School  
program of study for: **Human Services**

Students must meet Lone Jack graduation requirements. These courses are suggested for students interested in this career path

	English (4)	Math (4)	Science (4)	History (3)	Practical Art (1) Fine art (1) Pers. Finance (.5) P. E. (1), health (.5)	Career Major electives	Area Career Center Programs (Only available for 11th and 12th grade)
9	English 1	Algebra I Geometry	9th Science Honor's Biology	American History Honors World History		Human Development Parenting and Child Dev. Food and Nutrition Foreign Language Psychology Sociology (WEMET) A+ tutoring AP Statistics (Launch)	
10	English II	Geometry Algebra II	Biology I Earth and Space	American History II			
11	English III	Technical math Pre-calculus/Trig * College Alg. Algebra II	Earth and Space Chemistry	Government # AP Government	Personal Finance (.5)		
12	English IV * College English 1020 (.5) * College English 1030 (.5)	Technical Math Pre-Calc./Trig * College Alg.	A & P Physics # AP Bio.				

\*Dual credit      Weighted      #Articulated credit      ■Embedded Credit, (¼ credit of math and ¼ credit of English per semester)  
 (CCC) Cass Career Center in Harrisonville      (STA) Summit Technology Academy in Lees Summit (1 science or 1 math exempted per year)      **Highly recommended for this path**

<p><b>Additional learning opportunities:</b></p> <ul style="list-style-type: none"> <li>• Meet with the Root Ed Advisor &amp; explore Missouri Connections</li> <li>• Completion of your ICAP (Individual Career &amp; Academic Plan)</li> <li>• Meet with counselors yearly to review schedules and future goals</li> <li>• Job Shadow</li> <li>• College &amp; Career Fairs</li> <li>• Volunteer</li> <li>• College visits</li> <li>• Explore <a href="http://www.missouriconnections.org">www.missouriconnections.org</a> for additional career exploration.</li> </ul>	<p><b>Recommended Youth Activities:</b></p> <ul style="list-style-type: none"> <li>• Athletics or Extra Curricular clubs</li> <li>• A+ tutoring</li> <li>• Work at Childcare Center</li> <li>• Work/Volunteer at AM/PM School</li> <li>• NHS</li> <li>• Hi Step</li> <li>• First Aid Training</li> <li>• CPR training</li> </ul>	<p><b>Please visit these sites for up to date lists of technical schools, community colleges, 4-year colleges &amp; military with opportunities in this career cluster.</b></p> <p> <a href="http://www.missouriconnections.org">www.missouriconnections.org</a>  <a href="http://www.collegeboard.com">www.collegeboard.com</a>  <a href="http://www.dhe.mo.gov">www.dhe.mo.gov</a>  <a href="http://www.army.mil">www.army.mil</a>  <a href="http://www.navy.mil">www.navy.mil</a>  <a href="http://www.marines.mil">www.marines.mil</a>  <a href="http://www.af.mil">www.af.mil</a>  <a href="http://www.uscg.mil">www.uscg.mil</a>  <a href="http://www.ng.mil">www.ng.mil</a> </p>
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# Lone Jack High School

## program of study for: **Information Technology**

Students must meet Lone Jack graduation requirements. These courses are suggested for students interested in this career path

	English (4)	Math (4)	Science (4)	History (3)	Practical Art (1) Fine art (1) Pers. Finance (.5) P. E. (1), health (.5)	Career Major electives	Area Career Center Programs (only available 11th and 12th grade years)
9	English 1	Algebra I Geometry	9th Science Honor's Biology	American History Honors World History		Multimedia PLTW IED PLTW POE Computer Applications Web Design (Launch) Foreign Language Exploratory Art AP Computer Science (Launch)	* Digital Electronics (STA)  * Network Operations (STA) * Cyber Security (STA) (These are paired)
10	English II	Geometry Algebra II	Biology I Earth and Space	American History II			■Networking/Cybersecurity (CCC)
11	English III	Technical math Pre-calculus/Trig * College Alg. Algebra II	Earth and Space Chemistry	Government # AP Government	Personal Finance (.5)		* Software Development (STA)
12	English IV * College English 1020 (.5) * College English 1030 (.5)	Technical Math Pre-Calc./Trig * College Alg.	A & P Physics # AP Bio.				

\*Dual credit      Weighted      #Articulated credit      ■Embedded Credit, (¼ credit of math and ¼ credit of English per semester)  
 (CCC) Cass Career Center in Harrisonville      (STA) Summit Technology Academy in Lees Summit (1 science or 1 math exempted per year)      **Highly recommended for this path**

<p><b>Additional learning opportunities:</b></p> <ul style="list-style-type: none"> <li>Meet with the Root Ed Advisor &amp; explore Missouri Connections</li> <li>Completion of your ICAP (Individual Career &amp; Academic Plan)</li> <li>Meet with counselors yearly to review schedules and future goals</li> <li>Job Shadow</li> <li>College &amp; Career Fairs</li> <li>Volunteer</li> <li>College visits</li> <li>Explore <a href="http://www.missouriconnections.org">www.missouriconnections.org</a> for additional career exploration.</li> </ul>	<p><b>Recommended Youth Activities:</b></p> <ul style="list-style-type: none"> <li>Volunteer in church, community and school for positions in technology.</li> <li>E-Sports</li> <li>Robotics Club</li> <li>NHS</li> <li>NTHS (CCC)</li> </ul>	<p><b>Please visit these sites for up to date lists of technical schools, community colleges, 4-year colleges &amp; military with opportunities in this career cluster.</b></p> <p> <a href="http://www.missouriconnections.org">www.missouriconnections.org</a>  <a href="http://www.collegeboard.com">www.collegeboard.com</a>  <a href="http://www.dhe.mo.gov">www.dhe.mo.gov</a>  <a href="http://www.army.mil">www.army.mil</a>  <a href="http://www.navy.mil">www.navy.mil</a>  <a href="http://www.marines.mil">www.marines.mil</a>  <a href="http://www.af.mil">www.af.mil</a>  <a href="http://www.uscg.mil">www.uscg.mil</a>  <a href="http://www.ng.mil">www.ng.mil</a> </p>
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## Lone Jack High School

### program of study for: **Law, Public Safety, Corrections & Security**

Students must meet Lone Jack graduation requirements. These courses are suggested for students interested in this career path

	English (4)	Math (4)	Science (4)	History (3)	Practical Art (1) Fine art (1) Pers. Finance (.5) P. E. (1), health (.5)	Career Major electives	Area Career Center Programs (only available 11th and 12th grade years)
9	English 1	Algebra I Geometry	9th Science Honor's Biology	American History Honors World History		Psychology Sociology Strength and Conditioning Food and Nutrition Foreign Language Human Development Parenting and Child Dev.	■Criminal Justice/CSI (CCC) ■Fire Science
10	English II	Geometry Algebra II	Biology I Earth and Space	American History II		Modern US History Liberty & Law (Launch) Intro to Criminal Justice (WeMET) e-Health and Cyber Wellness (WeMET) AP Statistics (Launch)	* Network Operations (STA) * Cyber Security (STA) (These are paired)
11	English III	Technical math Pre-calculus/Trig * College Alg. Algebra II	Earth and Space Chemistry	Government # AP Government	Personal Finance (.5)		
12	English IV * College English 1020 (.5) * College English 1030 (.5)	Technical Math Pre-Calc./Trig * College Alg.	A & P Physics # AP Bio.				

\*Dual credit

Weighted

#Articulated credit

■Embedded Credit, (¼ credit of math and ¼ credit of English per semester)

(CCC) Cass Career Center in Harrisonville

(STA) Summit Technology Academy in Lees Summit (1 science or 1 math exempted per year)

**Highly recommended for this path**

<p><b>Additional learning opportunities:</b></p> <ul style="list-style-type: none"> <li>Meet with the Root Ed Advisor &amp; explore Missouri Connections</li> <li>Completion of your ICAP (Individual Career &amp; Academic Plan)</li> <li>Meet with counselors yearly to review schedules and future goals</li> <li>Job Shadow</li> <li>College &amp; Career Fairs</li> <li>Volunteer</li> <li>College visits</li> <li>Explore <a href="http://www.missouriconnections.org">www.missouriconnections.org</a> for additional career exploration.</li> </ul>	<p><b>Recommended Youth Activities:</b></p> <ul style="list-style-type: none"> <li>Student Council</li> <li>FFA</li> <li>Boy Scouts or Girl Scouts</li> <li>NHS</li> <li>NTHS (CCC)</li> </ul>	<p><b>Please visit these sites for up to date lists of technical schools, community colleges, 4-year colleges &amp; military with opportunities in this career cluster.</b></p> <p> <a href="http://www.missouriconnections.org">www.missouriconnections.org</a>  <a href="http://www.collegeboard.com">www.collegeboard.com</a>  <a href="http://www.dhe.mo.gov">www.dhe.mo.gov</a>  <a href="http://www.army.mil">www.army.mil</a>  <a href="http://www.navy.mil">www.navy.mil</a>  <a href="http://www.marines.mil">www.marines.mil</a>  <a href="http://www.af.mil">www.af.mil</a>  <a href="http://www.uscg.mil">www.uscg.mil</a>  <a href="http://www.ng.mil">www.ng.mil</a> </p>
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# Lone Jack High School

## program of study for: **Manufacturing**

Students must meet Lone Jack graduation requirements. These courses are suggested for students interested in this career path

	English (4)	Math (4)	Science (4)	History (3)	Practical Art (1) Fine art (1) Pers. Finance (.5) P. E. (1), health (.5)	Career Major electives	Area Career Center Programs (only available 11th and 12th grade years)
9	English 1	Algebra I Geometry	9th Science Honor's Biology	American History Honors World History		Exploratory Art Industrial Tech Advanced Ind. Tech Computer Apps Accounting Ag 1 Ag Manag. & Economics Marketing PLTW (IED) PLTW (POE)	<ul style="list-style-type: none"> <li>■Automotive Tech (CCC)</li> <li>■Welding (CCC)</li> <li>■Construction Tech. (CCC)</li> <li>* Computer Integrated Manufacturing (STA)</li> </ul>
10	English II	Geometry Algebra II	Biology I Earth and Space	American History II			
11	English III	Technical math Pre-calculus/Trig * College Alg. Algebra II	Earth and Space Chemistry	Government # AP Government	Personal Finance (.5)		
12	English IV * College English 1020 (.5) * College English 1030 (.5)	Technical Math Pre-Calc./Trig * College Alg.	A & P Physics # AP Bio.				

\*Dual credit      Weighted      #Articulated credit      ■Embedded Credit, (¼ credit of math and ¼ credit of English per semester)  
 (CCC) Cass Career Center in Harrisonville      (STA) Summit Technology Academy in Lees Summit (1 science or 1 math exempted per year)      **Highly recommended for this path**

<p><b>Additional learning opportunities:</b></p> <ul style="list-style-type: none"> <li>Meet with the Root Ed Advisor &amp; explore Missouri Connections</li> <li>Completion of your ICAP (Individual Career &amp; Academic Plan)</li> <li>Meet with counselors yearly to review schedules and future goals</li> <li>Job Shadow</li> <li>College &amp; Career Fairs</li> <li>Volunteer</li> <li>College visits</li> <li>Explore <a href="http://www.missouriconnections.org">www.missouriconnections.org</a> for additional career exploration.</li> </ul>	<p><b>Recommended Youth Activities:</b></p> <ul style="list-style-type: none"> <li>FFA</li> <li>Skills USA</li> <li>DECA</li> <li>Part time work</li> <li>NTHS (CCC)</li> </ul>	<p><b>Please visit these sites for up to date lists of technical schools, community colleges, 4-year colleges &amp; military with opportunities in this career cluster.</b></p> <p> <a href="http://www.missouriconnections.org">www.missouriconnections.org</a>  <a href="http://www.collegeboard.com">www.collegeboard.com</a>  <a href="http://www.dhe.mo.gov">www.dhe.mo.gov</a>  <a href="http://www.army.mil">www.army.mil</a>  <a href="http://www.navy.mil">www.navy.mil</a>  <a href="http://www.marines.mil">www.marines.mil</a>  <a href="http://www.af.mil">www.af.mil</a>  <a href="http://www.uscg.mil">www.uscg.mil</a>  <a href="http://www.ng.mil">www.ng.mil</a> </p>
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# Lone Jack High School

## program of study for: **Marketing**

Students must meet Lone Jack graduation requirements. These courses are suggested for students interested in this career path

	English (4)	Math (4)	Science (4)	History (3)	Practical Art (1) Fine art (1) Pers. Finance (.5) P. E. (1), health (.5)	Career Major electives	Area Career Center Programs (only available 11th and 12th grade years)
9	English 1	Algebra I Geometry	9th Science Honor's Biology	American History Honors World History		Exploratory Art Advanced Art Intensive Art Foreign Language Marketing Multimedia Yearbook Psychology Sociology (WeMET) Public Speaking (WeMET) AP Statistics (Launch)	■Marketing (CCC)  * International Studies (STA) (2 years foreign language required)
10	English II	Geometry Algebra II	Biology I Earth and Space	American History II			
11	English III	Technical math Pre-calculus/Trig * College Alg. Algebra II	Earth and Space Chemistry	Government # AP Government	Personal Finance (.5)		
12	English IV * College English 1020 (.5) * College English 1030 (.5)	Technical Math Pre-Calc./Trig * College Alg.	A & P Physics # AP Bio.				

\*Dual credit (CCC) Cass Career Center in Harrisonville     
 Weighted     
 #Articulated credit (STA) Summit Technology Academy in Lees Summit (1 science or 1 math exempted per year)     
 ■Embedded Credit, (¼ credit of math and ¼ credit of English per semester)     
 Highly recommended for this path

<p><b>Additional learning opportunities:</b></p> <ul style="list-style-type: none"> <li>• Meet with the Root Ed Advisor &amp; explore Missouri Connections</li> <li>• Completion of your ICAP (Individual Career &amp; Academic Plan)</li> <li>• Meet with counselors yearly to review schedules and future goals</li> <li>• Job Shadow</li> <li>• College &amp; Career Fairs</li> <li>• Volunteer</li> <li>• College visits</li> <li>• Explore <a href="http://www.missouriconnections.org">www.missouriconnections.org</a> for additional career exploration.</li> </ul>	<p><b>Recommended Youth Activities:</b></p> <ul style="list-style-type: none"> <li>• FFA</li> <li>• Skills USA</li> <li>• DECA</li> <li>• Part time work</li> <li>• Student Council</li> <li>• NTHS (CCC)</li> <li>• NHS</li> </ul>	<p><b>Please visit these sites for up to date lists of technical schools, community colleges, 4-year colleges &amp; military with opportunities in this career cluster.</b></p> <p> <a href="http://www.missouriconnections.org">www.missouriconnections.org</a>  <a href="http://www.collegeboard.com">www.collegeboard.com</a>  <a href="http://www.dhe.mo.gov">www.dhe.mo.gov</a>  <a href="http://www.army.mil">www.army.mil</a>  <a href="http://www.navy.mil">www.navy.mil</a>  <a href="http://www.marines.mil">www.marines.mil</a>  <a href="http://www.af.mil">www.af.mil</a>  <a href="http://www.uscg.mil">www.uscg.mil</a>  <a href="http://www.ng.mil">www.ng.mil</a> </p>
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## Lone Jack High School

### program of study for: **Science, Technology, Engineering & Math**

Students must meet Lone Jack graduation requirements. These courses are suggested for students interested in this career path

	English (4)	Math (4)	Science (4)	History (3)	Practical Art (1) Fine art (1) Pers. Finance (.5) P. E. (1), health (.5)	Career Major electives	Area Career Center Programs (only available 11th and 12th grade years)
<b>9</b>	English 1	Algebra I Geometry	9th Science Honor's Biology	American History Honors World History		PLTW (IED) PLTW (POE) Computer Applications College level math College level science Web Design (Launch) AP Computer Science (Launch)	* Digital Electronics/Computer Integrated Manufacturing (STA) * Engineering Design & Development * Aerospace Engineering (STA) * Network Engineering (STA) * Medical Interventions/Biomedical Innovations (STA) * Executive Finance & Fintech (STA)
<b>10</b>	English II	Geometry Algebra II	Biology I Earth and Space	American History II			
<b>11</b>	English III	Technical math Pre-calculus/Trig * College Alg. Algebra II	Earth and Space Chemistry	Government # AP Government	Personal Finance (.5)		
<b>12</b>	English IV * College English 1020 (.5) * College English 1030 (.5)	Technical Math Pre-Calc./Trig * College Alg.	A & P Physics # AP Bio.				

\*Dual credit

Weighted

#Articulated credit

■Embedded Credit, (¼ credit of math and ¼ credit of English per semester)

(CCC) Cass Career Center in Harrisonville

(STA) Summit Technology Academy in Lees Summit (1 science or 1 math exempted per year)

Highly recommended for this path

<p><b>Additional learning opportunities:</b></p> <ul style="list-style-type: none"> <li>Meet with the Root Ed Advisor &amp; explore Missouri Connections</li> <li>Completion of your ICAP (Individual Career &amp; Academic Plan)</li> <li>Meet with counselors yearly to review schedules and future goals</li> <li>Job Shadow</li> <li>College &amp; Career Fairs</li> <li>Volunteer</li> <li>College visits</li> <li>Explore <a href="http://www.missouriconnections.org">www.missouriconnections.org</a> for additional career exploration.</li> </ul>	<p><b>Recommended Youth Activities:</b></p> <ul style="list-style-type: none"> <li>E-Sports</li> <li>Volunteer at community/church/school for events needing technology support.</li> <li>Part time work</li> <li>Student Council</li> <li>Robotics Club</li> <li>NHS</li> </ul>	<p><b>Please visit these sites for up to date lists of technical schools, community colleges, 4-year colleges &amp; military with opportunities in this career cluster.</b></p> <p> <a href="http://www.missouriconnections.org">www.missouriconnections.org</a>  <a href="http://www.collegeboard.com">www.collegeboard.com</a>  <a href="http://www.dhe.mo.gov">www.dhe.mo.gov</a>  <a href="http://www.army.mil">www.army.mil</a>  <a href="http://www.navy.mil">www.navy.mil</a>  <a href="http://www.marines.mil">www.marines.mil</a>  <a href="http://www.af.mil">www.af.mil</a>  <a href="http://www.uscg.mil">www.uscg.mil</a>  <a href="http://www.ng.mil">www.ng.mil</a> </p>
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## Lone Jack High School

### program of study for: **Transportation, Distribution and Logistics**

Students must meet Lone Jack graduation requirements. These courses are suggested for students interested in this career path

	English (4)	Math (4)	Science (4)	History (3)	Practical Art (1) Fine art (1) Pers. Finance (.5) P. E. (1), health (.5)	Career Major electives	Area Career Center Programs (only available 11th and 12th grade years)
<b>9</b>	English 1	Algebra I Geometry	9th Science Honor's Biology	American History Honors World History		Foreign Language Industrial Technology Advanced Ind. Technology AG 1 Ag Management and Economics Marketing Computer Apps Geography	■Automotive Technology (CCC)
<b>10</b>	English II	Geometry Algebra II	Biology I Earth and Space	American History II			
<b>11</b>	English III	Technical math Pre-calculus/Trig * College Alg. Algebra II	Earth and Space Chemistry	Government # AP Government	Personal Finance (.5)		
<b>12</b>	English IV * College English 1020 (.5) * College English 1030 (.5)	Technical Math Pre-Calc./Trig * College Alg.	A & P Physics # AP Bio.				

\*Dual credit (CCC) Cass Career Center in Harrisonville     
 Weighted     
 #Articulated credit (STA) Summit Technology Academy in Lees Summit (1 science or 1 math exempted per year)     
 ■Embedded Credit, (¼ credit of math and ¼ credit of English per semester)     
 Highly recommended for this path

<p><b>Additional learning opportunities:</b></p> <ul style="list-style-type: none"> <li>• Meet with the Root Ed Advisor &amp; explore Missouri Connections</li> <li>• Completion of your ICAP (Individual Career &amp; Academic Plan)</li> <li>• Meet with counselors yearly to review schedules and future goals</li> <li>• Job Shadow</li> <li>• College &amp; Career Fairs</li> <li>• Volunteer</li> <li>• College visits</li> <li>• Explore <a href="http://www.missouriconnections.org">www.missouriconnections.org</a> for additional career exploration.</li> </ul>	<p><b>Recommended Youth Activities:</b></p> <ul style="list-style-type: none"> <li>• FFA</li> <li>• NTHS (CCC)</li> </ul>	<p><b>Please visit these sites for up to date lists of technical schools, community colleges, 4-year colleges &amp; military with opportunities in this career cluster.</b></p> <p> <a href="http://www.missouriconnections.org">www.missouriconnections.org</a>  <a href="http://www.collegeboard.com">www.collegeboard.com</a>  <a href="http://www.dhe.mo.gov">www.dhe.mo.gov</a>  <a href="http://www.army.mil">www.army.mil</a>  <a href="http://www.navy.mil">www.navy.mil</a>  <a href="http://www.marines.mil">www.marines.mil</a>  <a href="http://www.af.mil">www.af.mil</a>  <a href="http://www.uscg.mil">www.uscg.mil</a>  <a href="http://www.ng.mil">www.ng.mil</a> </p>
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