



NAME

Introduction to Health Sciences- Q1 and Q2

DESCRIPTION

Introduction to Health Sciences is a semester-long seminar that provides foundational and advanced science content for many Health Science pathways and introduces students to a variety of healthcare careers as they develop the basic skills and science content required in various health and medical sciences. Students will learn medical terminology, anatomy and physiology, basic chemistry, biochemistry, mathematics associated with science, data interpretation, and medical diagnostics. The chemistry will be learned using a combination of ALEKS and teacher lead lectures/discussions. This seminar will enable students to receive initial exposure to the many Health Science careers as well as employability, communication, and technology skills necessary in the health science industry. In addition, this seminar will provide students with a competitive edge to be the better candidate for either entry into the health science global marketplace and/or the post-secondary institution of their choice to continue their education and training. Lastly, students will gain proficiency in standards by completing ALEKS chemistry, creating a medical illustration book filled with science drawings/content, and technical writing of science content.

DRIVING QUESTION

How can we use our Research Skills to determine what medical/science profession is the best fit for our individual needs?

FINAL PROJECT OPTION

Students will create a medical illustration book with 10-12 drawings, content and research topics AND complete two shadowing experiences (approval needed for each experience) which consist of the following:

- Well researched descriptions and information of the careers

Students will create a medical illustration book with 10-11 drawings, content and research topics AND explore/research/complete a series of 2-4 of health science careers which consist of the following:

- Well researched descriptions and information of the careers

<ul style="list-style-type: none"> • Information about similar careers and what schooling is involved • Timeline and information of schooling/training for the careers • Reflections from each shadowing experience 	<ul style="list-style-type: none"> • Information about similar careers and what schooling is involved • Timeline and information of schooling/training for the careers
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ACADEMIC MASTERY CREDIT PATHWAYS

ALEKS Chemistry, Physical Science, Life Science, Mastery Credit Data Analysis, Mastery Credit Design Thinking Technical Skill, Technical Writing, Career Exploration

MILESTONES *(Subject to change, see myLC for assigned tasks in real time.)*

Week	Milestone
1	All students enrolled into ALEKS Chemistry and expectations outlined
2	<p>1. Illustration book: All students will have 1 complete drawing to begin their medical illustration book which includes science content in cell biology.</p> <p>2. ALEKS: Students will have finished their 1st deadline in Aleks chemistry (includes the first 6 topics)</p>
3	<p>1. Illustration book: All students will have at least 2 complete drawings to begin their medical illustration book which includes science content in cell biology</p> <p>2. ALEKS: Students will have finished their 2nd deadline which is 14 topics in Aleks chemistry (includes the about 6-7 topics per deadline but could be more if the students needs/wants more chemistry content)</p>
4	<p>1. Illustration book: All students will have 3 complete drawings to begin medical illustration book and 1 complete drawing in their final illustration book which includes content in cell biology.</p> <p>2. ALEKS: Students will have finished their 3rd deadline which is 20 topics in Aleks chemistry (includes the about 6-8 topics per deadline but could be more if the students needs/wants more chemistry content)</p>

<p>5</p>	<p>1. <u>Illustration book:</u> All students will have 4 complete drawings to begin their medical illustration book and 2 complete drawings in their final illustration book which includes <i>content areas of cell biology and A&P.</i></p> <p>2. <u>ALEKS:</u> Students will have finished their 4th deadline which is 26 topics in Aleks chemistry (includes the about 6-8 topics per deadline but could be more if the students needs/wants more chemistry content)</p>
<p>6</p>	<p>1. <u>Illustration book:</u> All students will have 4 complete drawings to begin their medical illustration book and 3 complete drawings in their final illustration book which includes <i>content areas of cell biology and human A&P.</i></p> <p>2. <u>IMPACT/Careers:</u> Students will have experienced their 1st health career guest speaker and will have completed a 1 page reflection and completed CPR training.</p> <p>3. <u>ALEKS:</u> Students will have finished their 5th deadline which is 30 topics in Aleks chemistry (includes the about 6-8 topics per deadline but could be more if the students needs/wants more chemistry content)</p>
<p>7</p>	<p>1. <u>Illustration book:</u> All students will have 5 complete drawings to begin their medical illustration book and 4 complete drawings in their final illustration book which includes <i>content areas of cell biology and A&P.</i></p> <p>2. <u>IMPACT/Careers:</u> Students will have experienced their 2nd health career guest speaker and will have completed a 1 page reflection.</p> <p>3. <u>ALEKS:</u> Students will have finished their 5th deadline which is 37 topics in Aleks chemistry (includes the about 6-8 topics per deadline but could be more if the students needs/wants more chemistry content)</p>
<p>8</p>	<p>1. <u>Illustration book:</u> All students will have 5 complete drawings and summaries to add to their medical illustration book which includes <i>content areas of cell biology and A&P.</i></p> <p>2. <u>IMPACT/Careers:</u> Students will have experienced their 3rd health career guest speaker and will have completed a part of the Career Exploration Worksheet.</p>

	<p>3. ALEKS: Students will have finished their 5th deadline which is 46 topics in Aleks chemistry (includes the about 6-8 topics per deadline but could be more if the students needs/wants more chemistry content).</p>
9	<p>1. Illustration book: All students will have 6 complete drawings and summaries to add to their medical illustration book which includes content areas of cell biology and A&P.</p> <p>2. Careers: Students will have completed the research about 1 career. Career Exploration Worksheet and Various Health Careers.</p> <p>3. ALEKS: Students will have finished their 5th deadline which is 52 topics in Aleks chemistry (includes the about 6-8 topics per deadline but could be more if the students needs/wants more chemistry content).</p>
10	<p>1. Illustration book: All students will have 7 complete drawings and summaries to add to their medical illustration book which includes content areas of cell biology and A&P.</p> <p>2. IMPACT/Careers: Students will have experienced their 4th health career guest speaker and will have completed a part of the Career Exploration Worksheet.</p> <p>3. ALEKS: Students will have finished their 5th deadline which is 58 topics in Aleks chemistry (includes the about 6-8 topics per deadline but could be more if the students needs/wants more chemistry content).</p>
11	<p>1. Illustration book: All students will have 8 complete drawings and summaries to add to their medical illustration book which includes content areas of cell biology and A&P.</p> <p>2. Careers: Students will have completed the research about 2 career. Career Exploration Worksheet and Various Health Careers.</p> <p>3. ALEKS: Students will have finished their 5th deadline which is 64 topics in Aleks chemistry (includes the about 6-8 topics per deadline but could be more if the students needs/wants more chemistry content).</p>
12	<p>1. Illustration book: All students will have 9 complete drawings and summaries to add to their medical</p>

	<p>illustration book which includes content areas of cell biology and A&P.</p> <p>2. Careers: Students will have completed the research about 3 career. Career Exploration Worksheet and Various Health Careers.</p> <p>3. ALEKS: Students will have finished their 5th deadline which is 70 topics in Aleks chemistry (includes the about 6-8 topics per deadline but could be more if the students needs/wants more chemistry content).</p>
13	<p>1. Illustration book: All students will have 10 complete drawings and summaries to complete their medical illustration book which includes content areas of cell biology and A&P.</p> <p>2. Careers: Students will have completed the research about 4 career. Career Exploration Worksheet and Various Health Careers.</p> <p>3. ALEKS: Students will have finished their 5th deadline which is 77 topics in Aleks chemistry (includes the about 6-8 topics per deadline but could be more if the students needs/wants more chemistry content).</p>
14	<p>1. Illustration book: All students will have completed all the drawings and summaries to finish their medical illustration book which includes content areas of cell biology and A&P.</p> <p>2. Careers: Students will have completed the research for at least 4 careers and will add at least 2 careers to their medical illustration book presentation.</p> <p>3. ALEKS: Students will have finished their 5th deadline which is 85 topics in Aleks chemistry (includes the about 6-8 topics per deadline but could be more if the students needs/wants more chemistry content).</p>