



Course Description:

Ever wondered why an algorithm behaves the way it does? Ever needed to “Scratch” an itch for game programming? This course explores new and emerging technologies in relation to Information Technology. The course will prepare students with knowledge and background of technology careers, programming, and hardware.

Attendance:

Students are required to be in school every day. Students are responsible for communicating with their teachers to make up for missed learning.

Course Expectations:

Although not everything is graded, everything is important. In order to demonstrate growth and learning, students will need to:

1. Participate in class activities (take notes, work in a group, complete in class tasks, ask questions) without distractions (cell phones, games, etc.)
2. Use morning time and the teacher to seek help outside of class when needed.
3. Complete all assessments within teacher timelines.
4. Assignments are due on the assigned day which are listed in the Canvas.
5. Projects/Assignments need to be submitted to the correct area as instructed by the teacher.
6. All assigned work is required for completion of this course.

Grading

Skyward Assessment (Grades)

may include quizzes, learning checks, speeches, performances, and projects.

Final Grade	
A	100% - 90%
B	80% - 89%
C	70% - 79%
D	60% - 69%
F	0% - 59%

Calculations:

Final Grade Calculation	
Cumulative Grade	95%
Final Exam(s)	5%

Instructional Resources:

- Study.com
- Scratch
- EdPy
- Python
- Java
- HTML
- Code.org
- CSS Web page

Course Calendar/Pacing:

<p align="center">August/September</p> <table border="1"> <tr><td></td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td></tr> <tr><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td><td>1</td><td>2</td></tr> <tr><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td></tr> <tr><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td></tr> <tr><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td></tr> <tr><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td></tr> </table>		21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	<p align="center">October</p> <table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td></tr> <tr><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td></tr> <tr><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td></tr> <tr><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td></tr> <tr><td>29</td><td>30</td><td>31</td><td></td><td></td><td></td><td></td></tr> </table>	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31					<p align="center">November</p> <table border="1"> <tr><td></td><td></td><td></td><td>1</td><td>2</td><td>3</td><td>4</td></tr> <tr><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td></tr> <tr><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td></tr> <tr><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td></tr> <tr><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td><td></td><td></td></tr> </table>				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
	21	22	23	24	25	26																																																																																																												
27	28	29	30	31	1	2																																																																																																												
3	4	5	6	7	8	9																																																																																																												
10	11	12	13	14	15	16																																																																																																												
17	18	19	20	21	22	23																																																																																																												
24	25	26	27	28	29	30																																																																																																												
1	2	3	4	5	6	7																																																																																																												
8	9	10	11	12	13	14																																																																																																												
15	16	17	18	19	20	21																																																																																																												
22	23	24	25	26	27	28																																																																																																												
29	30	31																																																																																																																
			1	2	3	4																																																																																																												
5	6	7	8	9	10	11																																																																																																												
12	13	14	15	16	17	18																																																																																																												
19	20	21	22	23	24	25																																																																																																												
26	27	28	29	30																																																																																																														
<p align="center">December</p> <table border="1"> <tr><td></td><td></td><td></td><td></td><td></td><td>1</td><td>2</td></tr> <tr><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td></tr> <tr><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td></tr> <tr><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td></tr> <tr><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td></tr> </table>						1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	<p align="center">January</p> <table border="1"> <tr><td></td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td></tr> <tr><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td></tr> <tr><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td></tr> <tr><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td></tr> <tr><td>28</td><td>29</td><td>30</td><td>31</td><td></td><td></td><td></td></tr> </table>		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				<p align="center">February</p> <table border="1"> <tr><td></td><td></td><td></td><td></td><td>1</td><td>2</td><td>3</td></tr> <tr><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td></tr> <tr><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td></tr> <tr><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td></tr> <tr><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td><td></td><td></td></tr> </table>					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29									
					1	2																																																																																																												
3	4	5	6	7	8	9																																																																																																												
10	11	12	13	14	15	16																																																																																																												
17	18	19	20	21	22	23																																																																																																												
24	25	26	27	28	29	30																																																																																																												
	1	2	3	4	5	6																																																																																																												
7	8	9	10	11	12	13																																																																																																												
14	15	16	17	18	19	20																																																																																																												
21	22	23	24	25	26	27																																																																																																												
28	29	30	31																																																																																																															
				1	2	3																																																																																																												
4	5	6	7	8	9	10																																																																																																												
11	12	13	14	15	16	17																																																																																																												
18	19	20	21	22	23	24																																																																																																												
25	26	27	28	29																																																																																																														
<p align="center">March</p> <table border="1"> <tr><td></td><td></td><td></td><td></td><td></td><td>1</td><td>2</td></tr> <tr><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td></tr> <tr><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td></tr> <tr><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td></tr> <tr><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td></tr> </table>						1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	<p align="center">April</p> <table border="1"> <tr><td>31</td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td></tr> <tr><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td></tr> <tr><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td></tr> <tr><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td></tr> <tr><td>28</td><td>29</td><td>30</td><td></td><td></td><td></td><td></td></tr> </table>	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30					<p align="center">May</p> <table border="1"> <tr><td></td><td></td><td></td><td>1</td><td>2</td><td>3</td><td>4</td></tr> <tr><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td></tr> <tr><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td></tr> <tr><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td></tr> <tr><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td><td></td></tr> </table>				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31								
					1	2																																																																																																												
3	4	5	6	7	8	9																																																																																																												
10	11	12	13	14	15	16																																																																																																												
17	18	19	20	21	22	23																																																																																																												
24	25	26	27	28	29	30																																																																																																												
31	1	2	3	4	5	6																																																																																																												
7	8	9	10	11	12	13																																																																																																												
14	15	16	17	18	19	20																																																																																																												
21	22	23	24	25	26	27																																																																																																												
28	29	30																																																																																																																
			1	2	3	4																																																																																																												
5	6	7	8	9	10	11																																																																																																												
12	13	14	15	16	17	18																																																																																																												
19	20	21	22	23	24	25																																																																																																												
26	27	28	29	30	31																																																																																																													
<p align="center">Intro to Class</p>	<p align="center">Legal & Ethical Issues</p>	<p align="center">Scratch Program</p>																																																																																																																
			<p align="center">Python</p>	<p align="center">Java</p>	<p align="center">HTML</p>																																																																																																													
<p align="center">No School</p>	<p align="center">Semester Exams</p>	<p align="center">Early Release</p>																																																																																																																
	<p align="center">Professional Development / Teacher Workday</p>																																																																																																																	