



Bexar County Academy Charter School  
1st 6 Weeks Course Syllabus  
Principles of Information Technology (StartUp Tech)  
Mrs. Algenia White  
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**Course Description:** In StartUp Tech, students gain knowledge and skills in career clusters with an emphasis on entrepreneurship and technology. This course allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems and settings in careers and technology.

The program is in cooperation with the Network for Teaching Entrepreneurship and Verizon.

Our program is:

**Highly Academic** - A year-long class at Bexar County Academy Charter School is being taught by Mrs. White who is a NFTE-certified teacher and will guide students through the Startup Tech certified curriculum. Each student is required to develop an idea for an app, implement that app and then work throughout the course to prepare a plan which they present and defend to a panel of judges at the end of the year. **This course should be taken VERY seriously.**

**Learning through Doing** – This class brings learning to life through fun hands on activities. Students are required to present almost daily. This helps to build a student's confidence and speaking skills.

**Volunteer Interaction** - Gives students the opportunity to hear from and interact with real-world entrepreneurs and business leaders and is essential to the Startup Tech experience.

**App Showcase** - Each young person will be expected to work towards completing an app plan. Those individuals will then go on to present and defend it in an app showcase.

**Use of Technology** – Students will learn how to use technology in an educational environment. Each student will need a g-mail account that is academic in nature (I suggest: first name.last name@gmail.com). Students will use various apps and programs including but not limited to: MIT App Inventor, Google Drive, Socrative, and Nearpod. **EVERY student must have a gmail account.** They will not be able to use MIT App Inventor to create their apps without a gmail account. If your student is under 13 please help them create their account.

**Materials:** Notebook; pens/pencils, Computer/Tablet with Internet Access

**General Rules:** Be prepared, be respectful and be responsible.

**Preparation for Class:** Students are required to bring a pencil, paper, completed homework and their notebook to each class unless otherwise directed.

**Tentative Schedule:**

<b>Week</b>	<b>Date M-F</b>	<b>Objective</b>	<b>Assessment</b>
<b>Week 1</b>	Aug. 19-21	1. Health and Safety Protocols 2. Formulate SMART goals	Individual SMART goals Entrepreneurial Mindset
<b>Week 2</b>	Aug. 24-28	1. Inspect MIT App Inventor 2. Develop a working computer program 3. Employ Computing tools	Pre-EMI Survey Diagnostic Exam
<b>Week 3</b>	Aug. 31 - Sept 4	1. Practice using creativity and innovation to solve a problem in a team 2. Identify and analyze potential business opportunities. 3. Construct a MVP and improve it.	Screenshot of first UI First Brainstorming Exercise
<b>Week 4</b>	Sept. 8-11	1. Sketch wireframes for user experience 2. Prepare a storyboard 3. Practice Elevator Pitch	I Have a Dream App Elevator Pitch
<b>Week 5</b>	Sept 14 - 18	1. Evaluate feedback 2. Develop an Algorithm 3. Develop a program for creative expression	Original Soundboard App Google Sites Portfolio
<b>Week 6</b>	Sept 21-25	1. Modify an existing program 2. Apply different techniques to solve problems 3. Modify an app.	Unit 1 Quizzes

**Expectations for class:**

Everyone has the right to, and should expect to, learn.  
Each individual is worthy of respect.  
Classroom orderliness is necessary for an effective classroom.  
Hard work is necessary for learning.

**Earned consequences:** The teacher may: require detention before or after school, a call to the parent, a team conference with the student, or hold a parent conference with the team of teachers. The Charter's Student Handbook outlines the official progressive discipline policy which may be activated based on the student's behavior and the judgment of an administrator.

**Virtual Learners:**

1. Hybrid learners are to log in as soon as class begins. Students are to log in for a total of 3 hours daily, all assignments must be turned in.
2. If students do not log in it will be considered as an absence.
3. If students need a technology device please inform your teacher for the school to lend you one.

**Missed Work:** It is the student's responsibility to obtain the homework assignments, notes & any other pertinent information that is missed during an absence.

**Accommodations for Students with Disabilities:** Students who are in Special Education services and English as a Second Language will receive Intervention services.

**Parent Teacher Conferences:**

Teachers will contact parents/guardians to share good news concerning their student's educational growth or to discuss behaviors or work habits that might cause the student difficulty in class. Students are to meet, outside of class time with the teacher to discuss questions or concerns related to class. If this contact does not resolve the issue, students are to contact the principal. Parents are encouraged to communicate with teachers through email. Teacher's email address for this class: [algenia.white@bexarcountyacademy.org](mailto:algenia.white@bexarcountyacademy.org). Formal conferences can also be requested if needed.

PRINTED STUDENT NAME: \_\_\_\_\_

We have reviewed the course syllabus, classroom procedures and acceptable use policy for A. White, StartUp Tech.

_____	_____	_____
Parent/Guardian Signature	Student Signature	Date

Phone numbers where parent/guardian can be reached. \_\_\_\_\_primary  
\_\_\_\_\_alternate

Email Address: \_\_\_\_\_