Long Beach high School | Long Beach, New York | Issue 1, 2021-22



THE TIDE RETURNS!

From the Tide Staff

Welcome or welcome back to LBHS! After a very long summer, it's nice to return to school, and while we still have to wear masks and follow social distancing

guidelines, it's nice to have some normalcy after over a year of chaos and uncertainty. Many inperson clubs are returning, and full classrooms are back. Now, we google classroom and attend our have to stay strong and be resilient meetings every other Tuesday in as we continue to fight the pandemic. If you would like to con-

tribute to the Tide, send your work to rioareng23@lbeachg.org_or jorcolli23@lbeachg.org. If you wan to join the Tide, join our room 221.

FIELD HOCKEY TEAM'S FIRST YEAR

ANA RAMIREZ ANGULO and EMILY FEIL STAFF WRITERS

High School girls' field hockey team! They kicked needs. off their debut with impressive statistics, teambuilding skills, and hard work. To find out more Q. Was it hard to find other schools to compete about how the team was assembled and how it's with? worked so far, we asked team captain Sarah Mu- A: (Ms. Graham) No, it definitely wasn't. There are nier, team member Alyssa Haberlack, and coach eighteen other schools in Nassau County that have Ms. Graham a few questions.

Q. How many games did the team win this season?

A: (Sarah) We played ten games this season, with campus and why?) eight wins and two losses.

O. What was the process of the school accepting hoping to move to the high school. the team?

A: (Ms. Graham) Last year a group of juniors formed a petition to add the team and looked for stu-

dents to sign. Once they got some signatures they reached out to the school director and superintendent. Mr. Epstein, the athletic director, made it pos-This year was the first season of the Long Beach sible to secure funds and provide them with all their

field hockey, so they were happy to have us added. They wanted us to become a varsity team as well!

Q. Where do you practice? (The middle school or

A: (Ms. Graham) We practice at the middle school since they have goalie lines, but next year we are

CONTINUED ON PAGE 2

FIELD HOCKEY TEAM'S FIRST YEAR (cont'd.)

sity team next year?

next year.

Q. What's your responsibility at each practice as Q. Do you have any chants or cheers? the captain?

A: (Sarah) It's mainly to guide the warmup, make beach teams, "Beach on 3, 1, 2, 3 -- beach!" sure everyone is prepared to start and help avoid laziness at practice!

Q. How do you motivate the team?

A: (Sarah) We use music to get in the zone and talk shuttles, and dribble-style drills. while stretching to be more productive. But we all A2: (Alvssa) We do some dribbles back and forth, share the responsibility to motivate ourselves during like speed control and passing. There is one practices and games.

Q. How did the team choose you as captain

A1: (Sarah) There was a team vote during a summer Q. What do you feel is the most important thing practice leading up to the season, and I guess they to remember during games? thought I would do a good job which was nice.

in the last season!

Q. What is your favorite part about being captain?

Q. Are you planning on branching off into a var- A: (Sarah) I don't really have a favorite part, but I definitely enjoy that I was chosen by the team be-A: (Ms. Graham) Yes, we are hoping to branch off cause they thought I would make a good captain-and I like playing field hockey in general.

A: (Sarah) We use the same cheer as the other long

Q. What are some workouts the team does during practice?

A1: (Sarah) We do lap warm-ups, some stretches,

where we pass leading up to the goal, in kind of a criss-cross move.

A: (Sarah) To keep the spirit, because there have A2: (Alyssa) I voted for whoever was nicest to me definitely been some games where we've been challenged by arguing from other players. We just have to not let them get to us and stick with the team.

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Have any ideas for articles you would like to see in The

Tide? Email us at

rioareng23@lbeachg.org or jorcolli23@lbeachg.org.

THEATRICAL DRAMA AT LBHS

JORDAN COLLISON EDITOR-IN-CHIEF

of Rick Elice's Peter and the verse range of talents. Everyone a novel intended as a prequel to well-known Peter the Pan. providing a backstory for several of the characters.

Peter and the Starcatcher follows the journey of a nameless orphan boy who is sold into slavery. He is discovered by Molly Aster, the daughter of a starcatcher. The job of a starcatcher is to keep the world safe from a substance that makes wishes come true: starstuff. Molly decides she must protect the boy and his friends, joining their party. As they search for treasure, the crew gets involved in a ship chase, eventually leading them to a mysterious island populated by mermaids, natives, and other unfamiliar creatures.

highlight the dedication and tal- es and showings. Actors wear Hue at jhue@lbeachg.org. ents of all involved. With all of masks while performing and rethe interconnected responsibilities main socially distanced while on

and challenges that the cast faced, stage. Furthermore, the shows "It really is a lot like sailing a have been professionally recordship," describes Mr. Hue, advisor ed, allowing audience members This past November, the of the school's plays. "It's a show to watch from the safety of their LBHS Theatre put on a production with a robust ensemble and a di- homes if they choose. Starcatcher. The play is based on is coming together and working mances in the previous year was as one," he states. Each student challenging, as Fales describes: who contributed to the show re- "When performing, there's a cerquired true commitment and en- tain energy that actors need to thusiasm, attending long rehears- have in order to put on a good als each day, especially in the show. Since the pandemic hit, we week preceding the performance, couldn't perform for a live audiknown as "tech. week", in which ence for a while." The LBHS thepractice tends to run much later. atre was able to give three in-With the hard work put in by the person performances of Peter and actors, ensemble, and tech. crew, The Starcatcher, making this prothe outcome can be truly reward- duction that much more exciting ing. "Being able to work on some- for the drama community and the thing for months and see the end audience. result is a beautiful thing in my opinion, and every time we do, it involved in the school's theatre only gets more amazing to see," in the future! Announcements Samantha Fales, the female lead, regarding auditions for the plays Molly, states.

navirus, the crew has had to ther information. students are The theatre's productions adapt how they run their practic- encouraged to reach out to Mr.

The lack of live perfor-

All are welcome to get and musicals are typically given With regard to the coro- on the Morning Wave. For fur-



PICTURES COURTESY OF THE LONG BEACH HIGH SCHOOL THEATRE COMPANY

ADVICE TO FRESHMEN FROM UPPERCLASSMEN

(This article has been translated into Spanish on pages 5 and 6)

ANA RAMIREZ ANGULO STAFF WRITER

diverse changes, we've all re-lors, teachers, security guards, quired guidance to help us adapt. etc. The Tide staff has gathered freauestions quently-asked freshmen students as well as col- learned throughout high school iors, in the hope to supply under- have told you as a freshman? classmen with the best possible advice.

better understanding

General Advice

How do I make friends as someone new to the school?

make you meet with people that projects you did on time! cellent test taker or not a perfect have similar interests you have, as well. There is an extended list of Classes and Academics clubs that are available and are always welcoming new students What courses should I take? throughout the year.

tween my peers in high school?

With a year flooded with you — such as our deans, counse- your counselor as well.

from What's one major thing you topics? lected answers provided by sen- that you wish someone would Making a schedule is the most im-

Your relationship with your teach- ing organized and avoiding proers is more important than you crastination will help you build a Disclaimer: Questions and an- may think — they're here to help base of discipline that will stick swers have been lightly edited for you succeed and you'll need this with you and will highly aid you in the future if you need recom- as you continue high school. mendations from them. In addition, staying on top of your work What tests should I begin preparis the major key to succeeding in ing for? your classes. Despite the fact that you may not get the best grades on First, measure yourself when it each one of your tests, you will be comes to exams, and be aware of Clubs and sports! Joining will rewarded by all the homework and the fact that you might be an ex-

It depends on you! The electives kinesthetic, or reading/wiring). How do I deal with problems be- and classes you may want to take Based on this you can focus on depend on what you're interested studying methods that suit you in doing for now and the future. If specifically. Last, it is important Remember that this is a time in you are looking for college cred- to start a habit of making summarwhich you're building yourself its, you may want to take AP clas- ies for the big tests that include and changes may always occur. It ses. If you want to challenge your- lots of topics. The tests that you is normal to have inconveniences self, you can look forward to do- will want to focus the most on are with your friends, and it's im- ing the IB diploma program. The the regents and SAT/ACT. portant to keep this in mind when same goes for electives; if you're

CONTINUED ON PAGE 5

it does happen. Being respectful is interested in cooking, business, critical, and if it is necessary the art, etc., there will always be an high school has an amazing sup- elective for you to join! You are port network that is willing to help able to discuss this in detail with

> What should I do to adjust to more work and studying harder

> portant thing that you may want to do in order to start adjusting. Stay-

one. This is crucial to know since it will tell you what your next steps are for preparation. Second, it will help you find what kind of learner you are (visual, auditory,

ADVICE TO FRESHMEN FROM UPPERCLASSMEN (cont'd.)

Extracurriculars and Sports

consuming?

and sports at LBHS?

school.

How can I get involved in clubs No! Our extracurricular activities preferences and what you are exhave been mentioned to be very actly interested in. There are multime-worthy. First, the vast major- tiple drama related clubs (such as Try to get as informed as possible ity of clubs in the school only last the Theater club), art clubs that about the sports or clubs you thirty flying minutes after school. you can always join, cultural clubs would want to be involved in. Second, sports have practice until that have a welcoming community This includes getting the google five p.m. Not only would they for everyone, and last but not classroom code, listening to the help you establish a better sched- least, class clubs, which are to school news, reading the flyers ule, but the sports and clubs connect even more with the peers around the school, or simply ask- would automatically help you in your grade and participate in ing a trusted adult at the high maintain a stable balance for both the high school community. vour social and academic life.

The clubs you may want to join also depend a lot on your personal

regents and SAT/ACT.

Are clubs and sports too time- What clubs should I join?

CONESJOS PARA NOVENO DE PARTE DE DUODÉCIMOS

Con un año con cambios tan diversos, todos merecemos ori- Asesoramiento general de adaptación. El periodico de la como alguien nuevo? escuela ha podido dar una idea de darles a todos los mejores con- durante todo el año. sejos posibles.

preguntas y respuestas se han edit- compañeros en la escuela? ado ligeramente para una mejor comprensión

entación para este nuevo momento ¿Cómo me sugieres hacer amigos bios es importante. Es normal ten-

esto al recopilar algunas de las ¡Clubes y deportes! Unirte te hará cuenta cuando suceda. Ser respetpreguntas que recolectamos de conocer a personas que tienen in- uoso es fundamental y, si es necenuestros estudiantes de primer tereses similares a los tuyos. Hay sario, la escuela secundaria tiene año. Nuestros estudiantes del últi- una lista extensa de clubes que una red de apoyo increíble que mo año respondieron con orgullo están disponibles y siempre dan la está dispuesta a ayudarte, como a todas sus preguntas para brin- bienvenida a nuevos miembros nuestros

¿Cómo debería de enfrentar los Descargo de responsabilidad: las problemas entre mis amigos y ¿Qué es una cosa importante que

en el que te estás construyendo y que siempre pueden ocurrir camer inconvenientes con tus amigos y es importante tener esto en decanos, consejeros. maestros, guardias de seguridad, etc.

debo de tener en mente como estudiante de primer año?

Recordar que este es un momento

CONTINÚA EN LA PÁGINA SEIS

CONESJOS PARA NOVENO DE PARTE DE DUODÉCIMOS (cont'd)

están aquí para ayudarte a tener acompañará y te ayudará mucho a cuela secundaria. éxito y los necesitarás en el futuro medida que continúes la escuela cuando ocupes recomendaciones secundaria. de ellos para aplicar a cursos u organizaciones. Además, manten- ¿Para qué pruebas debería de erse al tanto de tú trabajo es la comenzar a prepararme? clave principal para tener éxito en tus clases. A pesar de que es posi- Primero, mídete a ti mismo cuan- son muy valiosas. Primero, la gran ble que no obtengas las mejores do se trata de exámenes y ten en mayoría de los clubes de la escalificaciones en cada una de sus cuenta el hecho de que podrías ser cuela solo duran treinta minupruebas, iserá recompensado con un todas las tareas y proyectos que exámenes o uno no tan perfecto. lugar, los deportes tienen práctica havas hecho а

Clases y Academicas

¿Qué cursos debería de tomar?

de lo que te interese hacer ahora y to, puedes concentrarte en enconque desees tomar clases AP, si importante tener el hábito de hacer deseas desafiarte a ti mismo, resúmenes teresado en la cocina, los negoci- y SAT / ACT. os, el arte, etc. ¡Siempre habrá una clase para que te unas! También Actividades Extracurriculares y el club de teatro), clubes de arte a puedes discutir esto en detalle con Deportivas tu consejero.

¿Comó me debería de adaptar a y deportes? más trabajo y estudiar materias más pesadas?

para comenzar a adaptarte. Man- google classroom, escuchar las

excelente tomador tiempo! Es crucial saber esto, ya que te hasta las cinco de la tarde. No solo dirá cuáles son tus próximos pasos te ayudarían a establecer un mejor para la preparación. En segundo horario, sino que los deportes y lugar, te ayudará a encontrar qué los clubes te ayudarían automáttipo de aprendizaje te avuda más icamente a mantener un equilibrio ¡Depende de ti! Las clases opta- (ya sea visual, auditivo, cinestési- estable tanto para tu vida social tivas que desees tomar dependen co o de lectura), en función de es- como académica. en el futuro. Si estás buscando trar métodos que se adapten es- ¿En qué club me debería de invocréditos universitarios, es posible pecíficamente a ti. Por último, es lucrar? para las puedes esperar hacer el programa pruebas que incluyen muchos te- er unirte también dependen en de diploma IB. Lo mismo ocurre mas. Las pruebas en las que quer- gran medida de tus preferencias con las optativas, si estás in- rás enfocarte más son las regentes personales y de lo que te interesa

Trate de estar lo más informado cuales puedes conectarte aún más posible sobre los deportes o clubes con los compañeros de tu grado y Hacer un horario es lo más im- en los que le gustaría participar, participar en la comunidad de la portante que puedes querer hacer Esto incluye obtener el código de escuela secundaria.

Cuida tu comportamiento diario. tenerte organizado y evitar la noticias de la escuela, leer los fol-Tu relación con tus profesores es postergación te ayudará a con-letos o simplemente preguntarle a más importante de lo que piensas; struir una base de disciplina que te un adulto de confianza en la es-

> ¿Los clubes y los deportes consumen demasiado tiempo?

¡No! Se ha mencionado que nuestras actividades extracurriculares de tos después de clases. En segundo

grandes Los clubes a los que puedes querexactamente. Hay varios clubes relacionados con el teatro (como los que siempre puedes unirte, clubes culturales que tienen un ¿Cómo puedo participar en clubes comunidad acogedora para todos y, por último, pero no menos importante, clubes de clase, en los

STUDENTS COMMENDED FOR ACADEMIC EXCELLENCE

RIO ARENGO EDITOR-IN-CHIEF

In the fall of 2020, every junior help possible. "With the SAT, helping him with his success. at LBHS took the national PSAT what I did is to take practice "Primarily, I thank my family test - a three hour exam that tests tests, then categorize the ques- and teachers, of course, for supcomprehension, English the grammar, and mathematical skills of students. About 1.5 millions students took the test throughout America, with as few as 34,000 test-takers with the highest scores being commended for their performance. At LBHS, Gwendolyn Posner, Victoria Lugo, Benjamin Armus, and Robert Adler were among these nationally commended students.

When asked about tips

for scoring well on standardized tions I got wrong and study tests, Ben advises that you take those categories". In addition, he advantage of every source of credits those close to him in



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porting me. In addition, the countless excellent online educators and resources that I believe everyone should seek out...Don't ignore the resources the school gives you! Take advantage of all the programs LBHS offers."

Overall, this is a very outstanding accomplishment by these students at LBHS, and we wish them the best on their future academic endeavors.

MUSICIANS QUALIFY FOR ALL-STATE

JORDAN COLLINSON **EDITOR-IN-CHIEF**

sophomores and juniors compet- is highly commendable. ing last year, more than 2,400 tees them a spot as an alternate earning recognition as alternates. but does not secure them a spot Junior Jacob LoCascio was se-

in the ensemble, conveying just lected for the All-State Vocal how selective the process is and Jazz ensemble, and senior Camthat being chosen is a prodigious eron Moses was accepted into Throughout the 2020- distinction. "The musical and the All-State Symphonic Band 2021 school year, music students technical demands are extremely for clarinet. The students who across the nation spent countless advanced, and the judges are received alternate status include hours preparing a level VI solo looking at their performance vocalist to audition for NYSSMA (New with much more scrutiny. It is (senior), violinist Brianna Ban-York State School Music Associ- intensely competitive," Nicole vard (senior), cellist Shayna Baration) All-State. All-State is a Albani, an orchestra teacher at kan (senior), flutist Kira Centenvery selective music festival the high school, states. All musi- ni (senior), and violist Isadora composed of the top student in- cians are encouraged to further Turbeck (senior). strumentalists and vocalists in their journeys by taking on this each state. With over 6,500 challenge as auditioning in itself Rochester each year, typically in

received a score of 98 or higher, year for Long Beach's music de- were selected and all who audiqualifying them to be selected. partment. Seven students from tioned, and good luck to those Obtaining a grade of 100 on LBHS were accepted, two of participating in the upcoming one's solo performance guaran- them being selected and five festival!

Kenneth Bailing

The event takes place in late November or early Decem-This was a record-setting ber. Congratulations to all who

SPORTS

HOMECOMING SUCCESS FOR MARINES

MARYSOL ALVARADO STAFF WRITER

Long Beach High School's homecoming after school, succeeded by the game at 7:00!

Carnival:

brings the entire community together, as all are Long Beach Marines went back to work on ofinvited to attend. Many parents and siblings come fense and scored their second touchdown of the to support the team and show Long Beach pride. game on a 15-yard rushing touchdown by Con-Not only does the carnival draw people together, way, making the score 14-8 at halftime. but it also gives school clubs an opportunity to promote themselves to potential members, as highlight moment as Tarsia ran back the kickoff well as raise money to fund them throughout the for a 60-yard touchdown, giving the Marines a year.

up for each club, prepared for and run by its touchdown, late in the 3rd quarter, extending the members. At the booths, clubs sold carnival food, Marine lead to 28-8. games, and prizes. Listed below is a selection of some of the clubs that participated in the carnival with a 13-yard touchdown pass. However, their 2 and what they sold:

- Bloom and Ms. Ford tarot card reading
- ٠ elry making station
- rock painting
- Key Club, advised by Ms. Wolfin paw tat- solid.' . toos
- Super Smash Bros
- and Face the Cookie
- . cookies and karaoke
- World Language Honor Society, advised by • Mrs. Jimenez - juice boxes and face painting

The Game:

homecoming game! With an exciting score of 28- Be sure to join us next October!

14, the home team secured their victory over Glen Cove. Ms. DeVivio, the game's MC, provided us with a play-by-play:

"The Long Beach Marines football team hostcarnival and football game were held on Friday, ed the Glen Cove Big Red on Friday, October October 15th. During the school day, all periods 15th under the lights at Veterans Field. The Mawere cut short, making way for the pep rally in rines jumped out to a 7 point lead with a 27-yard the latter half. The carnival began almost directly touchdown pass, from Jeffrey Conway to Christian Tarsia, in the first quarter. Glen Cove subsequently answered with a touchdown and opted for the 2 point conversion, which gave them an 8-LBHS' homecoming is an event that 7 lead midway through the 2nd quarter. The

"The first play of the second half was a true commanding 21-8 lead. The Marines continued Before the event began, a booth was set to build on the lead with yet another Conway

"Glen Cove answered back in the 4th quarter" point attempt after the touchdown was unsuccess-Youth Wellness Council, advised by Ms. ful as a result of an interception by Jack Miller. The score at that point was 28-14, which ul-Fashion Club, advised by Mrs. Harvey - jew- timately remained the final score of the game.

"Overall, the Marines led a well-balanced Gender Sexuality Acceptance (GSA), advised attack on both offense and defense. Defensively, by Ms. Ankudovych and Ms. Silverman - Jack Skarren had a huge game, recording 14 tackles, and the Marines' defense overall was

Anime-Manga Club, advised by Mr. Lainez - Another huge part of the homecoming game was the Long Beach cheerleaders' halftime dance. The Tide, advised by Ms. Tyd - Freeze Pops Varsity cheerleader Nikki Kane, who is planning on doing Competition Cheer this winter, per-Tri-M Music Honor Society, advised by Dr. formed during this dance. "It was nerve-wracking Capobianco - homemade chocolate chip at first, but once the crowd got excited, especially during halftime, it was so much fun," she states. Kane loved being a part of the varsity cheer team, and the crowd loved their show!

It is safe to say that this year's homecoming was a huge success. With a very busy carnival, a win for the Marines, and an excellent halftime show SPOILER ALERT: The Marines won their from the cheerleaders, everyone had a great time.

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ARTS & ENTERTAINMENT

MOVIE REVIEWS: BLOCKBUSTER DELAYS

EMILY FEIL STAFF WRITER

films were a huge success.

sert planet Arrakis.

of the original Dune, released in matoes and a 52 on Metacritic. 1984, both being based on Frank

plex fictional inventions, and dog, who she names Clifford. wide range of interpretations The shop owner claimed that the Many movies released from audiences. However, with more she loved him, the bigger this season were originally in- 83% on Rotten Tomatoes, and he would grow. This film foltended to air in 2020 but were 300 million dollars made world- lows Emily's adventures with postponed due to Covid-19. De- wide, it's clear that Villeneuve's her huge puppy around New spite being released late, these adaptation was a commercial hit. York City. As of now, it has a 55

The science-fiction mov- *Eternals* is the 26th movie in the ten Tomatoes. ie Dune hit theaters in the United Marvel franchise. It was released States on October 22nd. Its origi- on November 5th, 2021, alt- The Batman is one of the most nal release date was November hough it was originally intended widely anticipated movies this 20th, 2020, and was first pushed to air almost a year earlier, on year, set to release on March 4th, back to December 18th, that November 6th, 2020. Eternals is 2022. Matt Reeves, the film's same year. The Coronavirus out- based on the world in Jack Kir- director, wanted to focus on the break caused its release to be fur- by's comics. The Eternals are origins of DC Comics' famous ther delayed to late 2021. The immortal beings created by the character without directly folmovie follows the story of Paul Celestials, who experimented lowing the plotlines of DC's cin-Atreides and his family, as they with human evolution in the ear- ematic universe. This movie is fight a war for control of the de- ly eons of the Marvel universe. the tenth film in the Batman Its reviews have been very franchise, featuring Robert Pat-This film was a remake mixed with 47% on Rotten To- tinson as Batman, Zoe Kravitz as

Herbert's novel, Dune. The di- On November 10th, 2021, Penguin. In this movie, the Ridrector of the most recent version. Clifford the Big Red Dog, was dler plays a game of cat and Denis Villeneuve, aspired to released in theaters. Similar to mouse with Batman and Commake his film closer to the con- the other films, this date was re- missioner Gordon all around Gotents of the book. The novel was scheduled on account of the tham City. ! considered one of the hardest Coronavirus. When Emily Elizapieces of fiction to adapt because beth goes to a magical pet store,

of its intricate plot lines, com- she falls in love with a little red on Metacritic and a 52% on Rot-

> Catwoman. Paul Dano as The Riddler, and Colin Farrel as The



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GETTING TO KNOW

THE VALEDICTORIANS AND SALUDITORIANS

JORDAN COLLINSON EDITOR-IN-CHIEF

recently valedictorians and ate Diploma candidates and what they have accomplished. members of the National Honor Society, as well as holding multi- ment, the valedictorians and sa- place ple other positions in our com- lutatorians were asked to provide memory. As I move onto the munity.

Beach. "Being a valedictorian pay off." means a great deal to me as it Sukonik - "One thing that has

had been something I had strived really helped me as a student for since taking my first Honors throughout my time at LBHS is classes, and it was really satisfy- the idea of maintaining a work-Long Beach High School ing to finally be rewarded after life balance, or as I like to call it, announced its co- these three years of high school, not working at the expense of co- I don't see the award as a meas- one's health and happiness. One salutatorians for the Class of ure of intelligence, rather the should always prioritize time to 2022. Earning these titles, four work that I put in over the years, do something which alleviates students were recognized for and I see this recognition as the them from the stress of daily life, achieving the top GPAs in their fruit of my labor," Sukonik stat- but they shouldn't neglect their class. Congratulations to co- ed when asked what this title academics; I would describe it as valedictorians Samantha Addeo means to him. Furthermore, the being diligent in both work and and Joseph Sukonik and co- other recipients each said that play." salutatorians Victoria Lugo and they were honored to see their Freddy Ramon! Each of these perseverance throughout high time here. Life moves by fast, so students is highly accomplished, school pay off, explaining that try to truly cherish some of the being International Baccalaure- this recognition is a symbol of best moments of your childhood

Attaining this recognition with a final piece of advice:

stands as a tribute to the dili- Addeo - "My last piece of advice taken advantage of in my time at gence and dedication each of to LBHS students is to push this school. So do your best to these individuals has put in dur- yourself even during the bad leave without any regrets and ing their experience at Long days because it will eventually have fun."

Ramon - "Enjoy your rather than ruin them. As we As a concluding state- transition into adulthood, this will become iust а current Long Beach students next chapter of my life, there are definitely times I wish I could've



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EDITORIAL/ECONOMICS

THE DARK SIDE TO A NEW FAD IN NFTs

FREDDY RAMON GUEST WRITER

sense of uniqueness that comes generate the correct code and be alarming, and it's only getting with a one-of-a-kind item. Maybe awarded a block of the cryptocur- started. it's a rare Barbie doll or Pokémon rency. This operation resembles a trading card. That's what drives up data center, and it requires mas- Digiconimist, a website that's dedthe price. The same principle sive amounts of energy. For crypto icated to exposing the unintended holds true even with virtual col- entrepreneurs, investing in more consequences of digital trends, lectibles. They are called NFTs, or computers would increase the and has created energy consumpnon fungible tokens, which have chances of them getting the right tion indexes that quantify the imrisen greatly in price over the last code. You can think of it as a gold pact of both Bitcoin and Ethereum year. Purchase is only available rush of some sort. The more min- networks. For Ethereum, the index through a certain cryptocurrency ers and machines you have, the showcases its unsustainability. called Ethereum, and, with the better chance you have of striking The network consumes more elecbacking of celebrities and growing rich. interest, it has skyrocketed in value. This has led to some NFTs be- ture of mining, companies have lot of this has to do with the lack ing bought for tens of millions of already started to make large-scale of efficiency in its model. dollars, including Beeple who sold mining a reality. Enigma, the collage a "Everydays - The First 5000 currency mining farm in the lar to Bitcoin that is based on a Davs" for roughly \$70 million at world, was built by Genesis Min- proof of work system and uses the an auction. With cryptocurrency in ing. The mine is a data center with same type of algorithm. This systhe spotlight, NFTs have become a state-of-the-art GPU miners and tem is flawed and anything built staple purchase because they can has been constantly expanding on a network like Ethereum will be purchased directly with Ethere- Ethereum mining rigs and hard- always produce a substantial carum. The rush to acquire more ware to keep up with growing de- bon footprint. It's extremely inefcrypto to meet demand comes at a mand. The CEO Marco Streng ficient because you can have unprice: mining for it can be quite stated, "We believe it's headed to limited energy consumption since damaging to the environment.

across the world. Most miners tomers do not miss out." Their efficiency Alex recently conductcome from China, but all share a website claims that this mine ed a comparison between making common goal in mind: generate alone has a whopping 200,000 a real T-shirt vs. an NFT dress. He the computer code required to pro- customers. Once the customers put found that a T-shirt has a carbon duce the cryptocurrency. There are it to use, Ethereum can be used to footprint of 10 kg. The NFT dress an estimated 70,000 crypto mines buy NFTs. According to Fortune, in comparison, after just being that operate across the world. Each "a single Ethereum transaction minted with little transaction, had one consists of thousands of com- consumes as much electricity as a carbon footprint of 600 kg... puters working autonomously to an average U.S. household uses in verify a block of cryptocurrency a workweek--and has a carbon CONTINUED ON PAGE 12 through solving complex crypto- footprint equivalent to 140,893

graphic puzzles.

It becomes a guessing 10,595

of photos called world's largest Ethereum crypto- Ethereum, a cryptocurrency simithe moon and we're building a it's linked to price and there's no Mining centers are located rocket ship to make sure our cus- limit to price. To showcase its in-

Visa credit card transactions or hours of watching game, whereby chance one of YouTube." The magnitude of en-People love to feel the these computers will be able to ergy consumption crypto mining is

> Alex de Vries founded tricity than a number of countries Due to the competitive na- such as Greece and Romania. A

NFTs specifically run on

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EDITORIAL/ECONOMICS

THE DARK SIDE TO A NEW FAD IN NFTs (cont'd.)

While others have suggested the use of renewable energy to combat this energy expenditure, Alex refutes it by saying, "The question is where are you going to get all the renewable energy from... China is the world's largest energy market and they also have the world's biggest renewable capacity but that's now completely inaccessible for miners." He also mentions a study done at Cambridge recently that showcases a mining map. It showed locations outside of China with a lot of renewable energy. Norway was 0.6% of the network and Iceland was 0.26%, which is negligible, so there just isn't enough renewable ing NFTs sustainable is by reenergy for miners to use. Instead, the focus should be on

changing the proof of work system to a proof of stake mechanism. Alex believes it would be beneficial because "There is no incentive to use energy because it would be harder. It's a completely different system and it doesn't depend on computational power, it actually depends on wealth rather than computational power which could potentially reduce the energy consumption of the entire system by 99.5%." Ethereum has promised for years to make this change. They recently claimed to make the switch by the end of this year, but are now postponing it for early next year. The key in makworking the inefficient system it's been running on for years.

The problem doesn't just end there. What happens to the specialized computers solely made for mining? Down the line, it will leave a big pile of electronic waste. This can come in the form of heavy metal leaching, and air and water pollution. It has also impacted the semiconductor supply chain as the demand for graphic cards for mining has completely destroyed the market. If you wanted a graphic card, you would have to probably pay 5 times the original price on the secondary market. The overall impact of NFTs goes beyond energy consumption, but a proof of stake model would be a step in the right direction.



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